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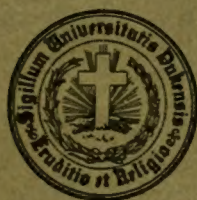
October, 1942

NUMBER 1

BULLETIN OF DUKE UNIVERSITY

The School of Medicine

1942-1943



PUBLISHED BY THE UNIVERSITY
DURHAM, NORTH CAROLINA

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BULLETIN
OF
DUKE UNIVERSITY
THE SCHOOL OF MEDICINE



1942-1943

DURHAM, NORTH CAROLINA
1942

FOREWORD

This bulletin is issued for prospective medical students. Admissions into any class are made only on the understanding that every decision of the Executive Committee shall apply to all students, even though it is made subsequently to their enrollment in the School. At frequent intervals the Executive Committee reviews the records of all students, and those whose progress has been unsatisfactory may be required to leave the School. ONLY THOSE WILL BE ADVANCED WHO, IN THE OPINION OF THE EXECUTIVE COMMITTEE, GIVE PROMISE OF BEING A CREDIT TO THEMSELVES AND TO THE SCHOOL. Students who wish to study at other medical schools during one or more quarters must have their programs approved, in advance, by the Curriculum Committee and, on their return, must present evidence that they have completed successfully work comparable to that of the curriculum during the quarters in which they were away.

During the war all students will take the twelve quarters of the medical course consecutively, receiving their certificates at the end of three calendar years. One year of active duty in the Army or Navy Medical Corps will be accepted for the second year of the required two years of internship.

The next first-year class will be admitted on April 1, 1943. It is planned to admit subsequent first-year classes every nine months, i.e., January 27, 1944, on October 5, 1944, etc.

1942

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1943

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SCHOOL OF MEDICINE CALENDAR, 1942-1943

1942

- Oct. 5. Monday—Registration of students, and Autumn Quarter begins.
Nov. 26. Thursday—Thanksgiving: a holiday.
Dec. 19. Saturday—Autumn Quarter ends.

1943

- Jan. 7. Thursday—Registration of students, and Winter Quarter begins.
March 24. Wednesday—Winter Quarter ends.
April 1. Thursday—Registration of students, and Spring Quarter begins.
April 26. Easter Monday: a holiday.
May 22. Saturday—Commencement.
June 16. Wednesday—Spring Quarter ends.
July 8. Thursday—Registration of students, and Summer Quarter begins.
Sept. 6. Monday—Labor Day: a holiday.
Sept. 22. Wednesday—Summer Quarter ends.
Oct. 7. Thursday—Registration of students, and Autumn Quarter begins.
Nov. 25. Thursday—Thanksgiving: a holiday.
Dec. 22. Wednesday—Autumn Quarter ends.

FACULTY OF THE SCHOOL OF MEDICINE

DONALD KEITH ADAMS, A.B., A.M., Ph.D., *Associate Professor of Psychology.*

A.B., Pennsylvania State, 1923; A.M., Harvard, 1925; Ph.D., Yale, 1927; Research Ass't., Yale Institute of Psychol., 1925-1927; Sterling Fellow, Yale, 1927-1928; Instr. in Psychol., Wesleyan, 1928-1929; Nat'l. Research Council Fellow, Berlin, 1929-1931; Ass't. Prof. of Psychol., Duke University, 1931-1937; Guggenheim Fellow, 1937-1938; *Associate Professor of Psychology, Duke University, 1938—, 1941—*

†TROGLER FRANCIS ADKINS, M.D., *Instructor in Obstetrics and Gynecology.*

M.D., Duke, 1936; Int. in Surg., and Int., Ass't. Res. and Res. in Obs. & Gyn., 1937-1942.

†LEO ALEXANDER, A.B., M.D., *Associate Professor of Neuropsychiatry.*

A.B., Obergymnasium, Maturum, 1923; M.D., Vienna, 1929; Int. in Med., Allgemeines Krankenhaus, Vienna, 1927-1928; Demonstrator in Neuroanat. and Neuropath., Vienna, 1926-1929; Int. and Ass't. Res. in Neuropsych., City and Univ. Hosp. Frankfurt am Main, 1929-1933; Teaching Ass't. in Neuropsych., Univ. of Frankfurt am Main, 1931-1933; Lecturer in Neurol. and Psych., Peiping Union Med. Coll., Peiping, China, 1933; Clin. Ass't., Worcester State Hosp., Worcester, Mass., 1934; Jr. Visit. Neurologist and Neuropathologist, Boston City Hosp., 1934-1941; Research Assoc., Boston State Hosp., 1935-1941; Teaching Ass't. and Instr. in Neurol., Harvard, 1934-1941; Visit. Psychiatrist, Washingtonian Hosp., Boston, 1938-1941; *Associate Neuropsychiatrist, Duke Hospital, 1941—*

ROBERT LEONHARDT ALTER, M.D., *Assistant in Obstetrics and Gynecology.*

M.D., Duke, 1938; Int. on Priv. Med. Serv., and in Med., Johns Hopkins Hosp., 1937-1938; Int. in Obs., Baltimore City Hosp., 1938-1939; Int. and Assistant Resident in Obstetrics and Gynecology, Duke Hospital, 1939—

F. VERNON ALTVATER, A.B., A.M., *Associate in Hospital Administration.*
A.B. and A.M., Duke, 1930 and 1932; Ass't. Sup't. and Superintendent, Duke Hospital, 1930—

EDWIN PASCAL ALYEA, S.B., M.D., *Clinical Professor of Urology.*

S.B., Princeton, 1919; M.D., Johns Hopkins, 1923; Int. in Med., Int. and Ass't. Res. in Surg.; Ass't. Res. and Res. in Urol., Johns Hopkins Hosp., 1923-1929; Ass't. and Instr. in Surg., and Instr. in Urol., Johns Hopkins Med. Sch., 1925-1930; *Urologist, Duke Hospital, 1930—*

GEORGE KING ANDERSON, A.B., M.D., *Associate in Pediatrics.*

A.B. and M.D., Rochester, 1933 and 1938; Int. in Ped., Strong Mem. Hosp., Rochester, N. Y., 1938-1939; Jr. Res. and Sr. Res., Children's Hosp., Cincinnati, Ohio, 1939-1941; Res. in Ped., Strong Mem. Hosp., Rochester, N. Y.; *Associate in Pediatrics, Duke Hospital, 1942—*

†RAYMOND BURK ANDERSON, A.B., M.D., *Assistant in Pediatrics.*

A.B. and M.D., Kansas, 1935 and 1939; Int. rotat., Santa Barbara General Hosp., 1939-1940; Res. in Ped., Univ. of Kansas Hosp., 1940-1941; Ass't. Res. in Ped., Duke Hospital, 1941-1942.

WILLIAM BANKS ANDERSON, A.B., M.D., *Associate Professor of Surgery in Charge of Ophthalmology.*

A.B., North Carolina, 1920; M.D., Johns Hopkins, 1924; Int., Union Mem. Hosp., Balto., 1924-1925; Int., Mass. Eye and Ear Infirmary, 1925-1927; *Ophthalmologist, Duke Hospital, 1930—*

JAY MORRIS ARENA, B.S., M.D., *Assistant Professor of Pediatrics.*

B.S., West Virginia, 1930; M.D., Duke, 1932; Int. in Ped., Johns Hopkins Hosp., 1932-1933; Ass't. and Instr. in Pediatrics, Duke Med. Sch., 1933-1935; Ass't. Res., Res. and Assistant Pediatrician, Duke Hospital, 1933—

†RALPH A. ARNOLD, B.A., M.D., *Instructor in Otolaryngology and Ophthalmology.*

B.A., Rochester, 1932; M.D., Buffalo, 1936; Int. in Stud. Health, and Int., Ass't. Res. and Resident in Otolaryngology and Ophthalmology, Duke Hospital, 1936—

† On active duty; U. S. Army.

- THEODORE W. ATWOOD, A.B., D.M.D., *Associate in Dentistry*.
A.B., Duke, 1928; D.M.D., Harvard, 1932; Int. in Dentistry, Johns Hopkins Hosp., 1932-1934; *Dentist, Duke Hospital, 1934*—
- KENWARD OLIVER BABCOCK, A.B., M.D., *Assistant in Pathology*.
A.B., Stanford, 1935; M.D., Duke, 1941; Int., Rotat. and Ass't. Res. Surg., Union Mem. Hosp., Balto., Jan. 1, 1941-Feb. 1, 1942, and March 1-July 1, 1942; Int. and *Assistant Resident in Pathology, Duke Hospital, 1942*—
- LENOX DIAL BAKER, M.D., *Assistant Professor of Surgery in Charge of Orthopaedics*.
M.D., Duke, 1933; Int. in Orth. Surg. and in Gen'l. Surg.; Ass't. Res. in Orth. Surg., and Res. in Orth., Johns Hopkins Hosp., 1933-1937; Res., Children's Hosp. Sch., 1936; Ass't. and Instr., Orth. Surg., Johns Hopkins Med. Sch., 1935-1937; *Orthopaedist, Duke Hospital, 1937*—
- ROGER DENIO BAKER, A.B., M.D., *Associate Professor of Pathology*.
A.B., Wisconsin, 1924; M.D., Harvard, 1928; Ass't. Res. Pathologist, Johns Hopkins Hosp., 1928-1930; Ass't. in Path., Johns Hopkins Med. Sch., 1928-1929; Instr., 1929-1930; Instr. in Anat., 1930-1932, and Instr. in Path., Duke Med. Sch., 1932-1934; *Assistant Pathologist, Duke Hospital, 1930*—
- RUTH ELIZABETH BARKER, A.B., M.S., *Instructor in Medical Social Service*.
A.B., Nebraska, 1928; M.S., Western Reserve, 1933; Med. Soc. Worker, University Hosps., Cleveland, 1933-1935, and Washington Univ. Clinics and Allied Hosps., St. Louis, Mo., 1935-1937; Supervisor, Med. Serv. of Social Serv. Dept., University Hosps., Cleveland, 1937-1940; *1940*—
- GEORGE JAY BAYLIN, A.B., M.D., *Associate in Radiology*.
A.B., Johns Hopkins, 1932; M.D., Duke, 1937; Ass't. in Anat., Duke Med. Sch., 1934-1937; Int. in Surg., Sinai Hosp., Balto., 1937-1938; Voluntary Ass't. in Path., Guy's Hosp., London, Sept., 1938-Feb., 1939; Instr. in Anat., Duke Med. Sch., and Ass't. Res., Res. in Rad., and *Assistant Radiologist, Duke Hospital, 1939*—
- DOROTHY WATERS BEARD, R.N., *Research Assistant in Experimental Surgery*.
R.N., Vanderbilt, 1929; Supervisor, Surg. Service, Vanderbilt Univ. Hosp., 1929-1931; Postgraduate Course in Surg., Charity Hosp., New Orleans, 1931-1932; *1938*—
- JOSEPH W. BEARD, B.S., M.D., *Associate Professor of Surgery in Charge of Experimental Surgery*.
B.S., Chicago, 1926; M.D., Vanderbilt, 1929; Ass't. and Instr. in Surg., Vanderbilt Univ. Med. Sch., 1930-1932; Int., Ass't. Res. and Res. in Surg., Vanderbilt Univ. Hosp., 1929-1932; Ass't. in Path. and Bact., Rockefeller Inst. for Med. Research, New York City, 1932-1935; Assoc. in Path. and Bact., Rockefeller Instit. for Med. Research, Princeton, 1935-1937; *Assistant Surgeon, Duke Hospital, 1937*—
- EDWARD PERRY BENBOW, JR., A.B., M.D., *Assistant in Medicine*.
A.B., North Carolina, 1937; M.D., Duke, 1941; Int. and *Assistant Resident in Medicine, Duke Hospital, 1941*—
- FREDERICK BERNHEIM, A.B., Ph.D., *Associate Professor of Physiology and Pharmacology*.
A.B., Harvard, 1925; Ph.D., Cambridge, 1928; Nat'l. Research Council Fellow, Johns Hopkins Med. Sch., Dept. of Physiol. Chem., 1929-1930; *1930*—
- MARY LILIAS CHRISTIAN BERNHEIM, B.A., M.A., Ph.D., *Assistant Professor of Biochemistry*.
B.A., M.A., and Ph.D., Cambridge, 1925, 1927, and 1929; Fellow, Newnham College, 1927-1930; *1930*—
- OTTO BILLIG, M.D., *Associate in Neuropsychiatry*.
M.D., Vienna, 1937; Ass't. in Psych., Univ. of Vienna, 1937-1938; Ass't. in Neur., Rothschild's Hosp., Vienna, 1938-1939; Assoc. in Neuropsych., Highland Hosp., 1939; *1941*—
- †WILLIAM STERRY BRANNING, B.S., A.B., M.D., *Assistant in Medicine*.
B.S., North Carolina, 1934; M.D., Yale, 1939; Int. in Pediatrics, Duke Hosp., 1939-1940; Ass't. Res. in Biochemistry, 1940-1941; *Assistant Resident in Medicine, Duke Hospital, 1942*.
† On active duty; U. S. Army.

HAROLD WILLIAM BROWN, A.B., M.S., Sc.D., Dr. P.H., M.D., *Professor of Preventive Medicine and Public Health.*
A.B., Kalamazoo, 1924; M.S., Kansas State, 1925; Sc.D., Johns Hopkins, 1928; M.D., Vanderbilt, 1933; Research Assoc., Vanderbilt Med. Sch., 1927-1934; London Sch. of Hygiene and Tropical Medicine, 1934-1935; Dr. P.H., Harvard, 1936; P.A. Surgeon, U. S. Public Health Serv., 1936-1937; Professor of Public Health and Dean of the School of Public Health, University of North Carolina, 1938—

†**IVAN WILLARD BROWN, JR., B.S., M.D.,** *Assistant in Pathology.*
B.S. and M.D., Duke, 1940; Vol. Ass't. in Anat. and in Physiol. and Pharm., Duke Med. Sch., 1940; Int. and Assistant Resident in Pathology, Duke Hospital, 1940-1942.

JASPER LAMAR CALLAWAY, B.S., M.D., *Assistant Professor of Medicine, in Charge of Dermatology and Syphilology.*
M.D., Duke, 1932; B.S., Alabama, 1935; Ass't. Instr. in Derm. and Syphil., Univ. of Pa. Med. Sch., 1932-1933; Int. and Ass't. Res. in Med., Duke Hosp., 1933-1935; Instr. in Phys. Diag. and Path., Univ. of Alabama, Jan.-July, 1935; Instr. in Derm. and Syphil., Pa. Sch. of Med., 1935-1937; Ass't. Field Physician, U. S. Public Health Serv., Feb.-July, 1937; *Assistant Physician, Duke Hospital, 1937—*

R. CHARMAN CARROLL, A.B., M.D., *Assistant in Psychiatry.*
A.B., Duke, 1935; M.D., Colorado, 1939; Int. in Ped., 1939-1940, and Res. in Psychiatry, Duke Hospital, 1940-1942.

ROBERT SPROUL CARROLL, M.D., *Lecturer in Neuropsychiatry.*
M.D., St. Louis, 1893, and M.D., Rush, 1897; in practice, Calvert, Tex., 1893-1902; Assoc. Sup't., Marvsville, Ohio, Sanatorium, 1902-1904; Pres. and Med. Dir., Highland Hosp., Inc., Asheville, N. C., 1904; 1941—

BAYARD CARTER, A.B., B.A., M.A., M.D., *Professor of Obstetrics and Gynecology.*
A.B., Delaware, 1920; B.A. and M.A., Oxford, 1923 and 1932; M.D., Johns Hopkins, 1925; member Obs. and Gyn. staff of New Haven Hosp. and Yale Med. Sch., 1925-1929; Assoc. Prof. Obs. and Gyn., and Head of Dept., Univ. of Va. Med. Dept., 1929-1931; *Obstetrician and Gynecologist, Duke Hospital, 1931—*

DAVID CAYER, B.A., M.D., *Instructor in Medicine.*
B.A. and M.D., Duke, 1935 and 1938; Int., N. C. Sanatorium for Tuberculosis, Jan. 1-Feb. 28, 1938; Int., Ass't. Res. and Resident in Medicine, Duke Hospital, 1939—

ELON HENRY CLARK, *Instructor in Art and Photography as Applied to Medicine.*
Johns Hopkins Sch. of Med. Art, 1930-1933; Ass't. Artist, 1932-1933; *Artist, Duke Hospital, 1934—*

NORMAN FRANCIS CONANT, B.S., A.M., Ph.D., *Assistant Professor of Bacteriology and Mycology.*
B.S., Bates, 1930; A.M. and Ph.D., Harvard, 1931 and 1933; Research Fellow, Laboratoire de Parasitologie, Fac. de Médecine, Paris, 1933-1934; Research Ass't., Harvard Med. Sch. and Mass. Gen'l. Hosp., Jan. 1 to Oct. 1, 1935; Assoc. in Bact. and Mycology, Duke Med. Sch., 1935-1939; 1935—

THOMAS RUCKINGHAM COOLIDGE, B.A., Ph.D., M.D., *Assistant Professor of Biochemistry.*
B.A. and M.D., Harvard, 1923 and 1927; Ph.D., Columbia, 1937; Int. in Med., Mass. Gen'l. Hosp., 1927-1929; Tutor and Research Ass't. in Chem., Harvard College, 1929-1932; Ass't. in Biochem., College of Physicians & Surgeons, 1934-1935; 1935—

ALBERT DERWIN COOPER, A.B., M.D., *Instructor in Medicine.*
A.B. and M.D., George Washington, 1932 and 1931; Int., Rotat., Garfield Mem. Hosp., Washington, 1931-1932; Int. in Path. and Med., Duke Hospital, 1932-1934; 1934—

GERALD RICE COOPER, A.B., M.A., Ph.D., *Research Associate in Experimental Surgery.*
A.B., M.A., and Ph.D., Duke, 1936, 1938, and 1939; Research Ass't. and Research Assoc. in Biochemistry, 1939-1942; 1942—

JANE STANLEY CRAIG, A.B., *Research Assistant in Anatomy.*
A.B., Goucher, 1935; Ass't. in Dept. of Embryol., Carnegie Institution of Washington, Balto., Md., 1935-1938; 1938—

†**ROBERT LAWRENCE CRAIG, B.A., M.D.,** *Instructor in Neurology.*
B.A., Amherst, 1931; M.D., Johns Hopkins, 1935; Int. and Ass't. Res. in Med., 1935-1937, and Ass't. Res. in Neurol., Balto. City Hosps., 1937-1938; Ass't. in Neurol., Johns Hopkins Med. Sch., 1937-1938; Res. in Neuropsychiatry, 1938-1939; *Assistant Neurologist, Duke Hospital, 1939—*

† On active duty; U. S. Army.

†ERLE BULLA CRAVEN, JR., A.B., M.D., *Associate in Medicine.*

A.B., Duke, 1925; M.D., Johns Hopkins, 1929; Ass't. in Path., Johns Hopkins Med. Sch., 1929-1930; Res. in Path., Int., Ass't. Res. and Res. in Med., Duke Hospital, 1930-1934; 1937—

ROBERT NOWELL CREADICK, B.A., M.D., *Instructor in Obstetrics and Gynecology.*

B.A., Wesleyan, 1933; M.D., Yale, 1937; Int., Hartford Hosp., Hartford, Conn., 1937-1939; Int., Ass't. Res., and *Resident in Obstetrics and Gynecology*, Duke Hospital, 1939—

*RAYMOND S. CRISPELL, A.B., M.D., *Associate Professor of Neuropsychiatry.*

A.B. and M.D., Cornell, 1917 and 1920; Staff, Bloomingdale Hosp. and Instr. in Neuroanatomy, Cornell, 1920-1923; House Physician and Resident Neurologist, Bellevue Hosp., N. Y., 1921-1923; Fellow in Neurology, Univ. of Utrecht, Holland, 1925; Med. Dir., Sahler Sanitarium, 1926-1933; *Neuropsychiatrist*, Duke Hospital, 1933—

W. KENNETH CUYLER, B.A., M.A., Ph.D., *Research Instructor in Endocrinology.*

B.A., Texas, 1923; M.A., Western Reserve, 1929; Ph.D., Duke, 1941; Dir. of Clin. Lab., Dept. of Endocrinol. and Metabolism, Cleveland Clinics, 1929-1938; 1938—

WILLIAM JOHN DANN, B.Sc., Ph.D., *Associate Professor of Physiology and Nutrition.*

B.Sc., Sheffield, 1925; Ph.D., Cambridge, 1930; Med. Research Scholar, Worshipful Co. of Grocers, 1931-1933; Beit Mem. Research Fellow, 1933-1937; 1934—

CLARENCE DANIEL DAVIS, S.B., M.D., *Fellow in Endocrinology.*

S.B., Mass. Inst. of Technology, 1935; M.D., Johns Hopkins Med. Sch., 1939; Int., Rotat., Robert Packer Hosp., Sayre, Pa., 1939-1940; Int., Rotat., Genesee Hosp., Rochester, N. Y., 1940-1941; Int. in Ob. & Gyn., University Hosp., Minneapolis, Minn., 1941-1942; *Assistant Resident in Endocrinology*, Duke Hospital, 1942—

ATALA THAYER SCUDDER DAVISON, A.B., M.D., *Assistant in Pediatrics.*

A.B., Bryn Mawr, 1915; M.D., Johns Hopkins, 1920; Ass't. in Bact., Am. Red Cross. A. E. F., 1917-1918; *Assistant Pediatrician*, Duke Hospital, 1942—

WILBURT CORNELL DAVISON, A.B., B.A., B.Sc., M.A., M.D., D.Sc., *Dean of the School of Medicine and Professor of Pediatrics.*

A.B., Princeton, 1913; B.A., B.Sc., and M.A., Oxford, 1915, 1916, and 1919; M.D., Johns Hopkins, 1917; D.Sc., Wake Forest, 1932; Int., Radcliffe Infirmary, 1915-1916; Ass't. Res., Assoc. Ped., Acting Pediatrician in Charge, Johns Hopkins Hosp., 1919-1927; Instr., Assoc., Assoc. Prof., Acting Head of Dept. of Ped., and Ass't. Dean, Johns Hopkins Med. Sch., 1919-1927; *Pediatrician*, Duke Hospital, 1927—

JOHN ESSARY DEES, B.S., M.D., *Associate in Urology.*

B.S. and M.D., Virginia, 1930 and 1933; Int. and Ass't. Res., Johns Hopkins Hosp., 1933-1937, and Res. in Urol., Ancker Hosp., 1937-1938, and Johns Hopkins Hosp., 1938-1939; *Assistant Urologist*, Duke Hospital, 1939—

SUSAN COONS DEES, A.B., M.S., M.D., *Associate in Pediatrics.*

A.B., Goucher, 1930; M.D., Johns Hopkins, 1934; M.S., Minnesota, 1938; Int., Johns Hopkins Hosp., 1934-1935, and Ass't. Res. in Med., Strong Mem. Hosp., 1935-1936; Int. in Path., Balto. City Hosps., and Ass't., Johns Hopkins Protein Clinic, 1936-1937; Research Fellow in Ped., Univ. of Minnesota Hosp., 1937-1938; Ass't. Disp. Physician, Johns Hopkins Hosp., 1938-1939; *Assistant Pediatrician*, Duke Hospital, 1939—

MACDONALD DICK, B.A., M.A., M.D., *Associate in Medicine, Physiology, and Pharmacology.*

B.A. and M.A., Virginia, 1922 and 1923; M.D., Johns Hopkins, 1928; Int. and Ass't. Res., Vanderbilt Univ. Hosp., 1928-1930; Ass't. in Path. and Bact., Rockefeller Instit., 1930-1932; *Assistant Physician*, Duke Hospital, 1932—

ISADORE NATHAN DUBIN, B.S., M.D., C.M., *Assistant in Pathology.*

B.S., M.D., C.M., McGill, 1935 and 1939; Int. in Med., Victoria Hosp., Montreal, Can., 1939-1940; Ass't. Res. Path., St. Luke's Hosp., Cleveland, Ohio, 1940-1941; Res. Path., St. Luke's Hosp., 1941-1942; *Assistant Resident in Pathology*, Duke Hospital, 1942—

† On active duty; U. S. Army.

* On active duty; U. S. Navy.

PAUL HENRI DUCHARME, B.S., M.D., *Instructor in Radiology.*

B.S., Georgetown, 1933; M.D., Harvard, 1937; Int. in Med., Boston City Hosp., 1937-1939; Res. in Med., Worcester City Hosp., 1939; Res. in Radiol., St. Luke's Hosp., New York City, 1939-1941; Ass't. Res. and Resident in Radiology, Duke Hospital, 1941—

KENNETH LINDSAY DUKE, A.B., Ph.D., *Instructor in Anatomy.*

A.B., Brigham Young, 1936; Ph.D., Duke, 1940; Grad. Ass't. in Zool., Brigham Young Univ., 1936-1937; Grad. Ass't. in Zool., 1937-1939, and Fellow in Zoology, Duke, 1939-1940; 1940—

GEORGE SHARP EADIE, M.A., M.B., Ph.D., *Professor of Physiology and Pharmacology.*

M.A. and M.B., Toronto, 1923 and 1921; Ph.D., Cambridge, 1927; Demonstrator in Biochem., Toronto, 1923-1925; Ass't. in Physiol., Dalhousie, 1927-1928; Assoc. in Physiol., Johns Hopkins Med. Sch., 1928-1930; 1930—

WATT WEEMS EAGLE, A.B., M.D., *Associate Professor of Surgery in Charge of Otolaryngology.*

A.B., North Carolina, 1918; Grad. stud., North Carolina, 1918-1919; M.D., Johns Hopkins, 1925; Int., Church Home and Infirmary, Baltimore, 1925-1926; Int., Ass't. Res. and Res. in Laryngol., Johns Hopkins Hosp., 1926-1929; Ass't. and Instr. in Laryngol., Johns Hopkins Med. Sch., 1927-1930; Otolaryngologist, Duke Hospital, 1930—

ELEANOR BEAMER EASLEY, B.A., M.A., M.D., *Associate in Obstetrics and Gynecology.*

B.A., Idaho, 1928; M.A., Iowa, 1929; M.D., Duke, 1934; Int. and Ass't. Res. in Med., and Int., Ass't. Res., and Res. in Obstetrics and Gynecology, and Assistant Obstetrician and Gynecologist, Duke Hospital, 1934—

GLENN SONNERS EDGERTON, B.S., M.D., *Assistant in Obstetrics and Gynecology.*

B.S., North Carolina, 1930; M.D., Temple, 1932; Atlantic City Hosp., 1932-1933; Margaret Hague Mat. Hosp., 1937-1938; Sloane Hosp., New York, 1938-1939; Columbia, Washington, D. C., 1941-1942; Assistant Resident in Obstetrics and Gynecology, Duke Hospital, 1942—

†LINUS MATTHEW EDWARDS, JR., D.D.S., *Assistant in Dentistry.*

D.D.S., Northwestern, 1940; Int. in Dent., and Assistant Dentist, Duke Hospital, 1940—

JESSE HARRISON EPPERSON, B.S., *Instructor in Preventive Medicine and Public Health.*

B.S., Oklahoma, 1914; Health Officer, Durham City and County, 1922; 1930—

†CYRUS CONRAD ERICKSON, B.S., B.M., M.D., *Associate in Pathology.*

B.S., B.M., and M.D., Minnesota, 1932 and 1933; Int. in Surg., Minneapolis Gen'l. Hosp., May-Dec., 1932; Int., rotat., Detroit Receiving Hosp., Jan.-Aug., 1933; Fellow in Med., Minneapolis Gen'l. Hosp., Sept., 1933-Jan., 1934; Clin. Res. Fellow in Ped., Minnesota, Jan., 1934-July, 1935; Ass't. Res., Strong Mem. Hosp., and Ass't. in Path., Rochester Med. Sch., 1935-1937; Assistant Pathologist, Duke Hospital, 1937—

JOHN OTTO ERICKSON, B.S., *Research Assistant in Biochemistry.*

B.S., Minnesota, 1939; 1939—

JOHN WENDELL EVERETT, A.B., Ph.D., *Assistant Professor of Anatomy.*

A.B., Olivet, 1928; Ph.D., Yale, 1932; Instr. in Biol., Goucher, 1930-1931; 1932—

GEORGE BURTON FERGUSON, M.Sc. (Med.), M.D., *Associate in Bronchoscapy.*

M.D., Jefferson, 1932; M.Sc. (Med.), Pennsylvania, 1936; Resident Physician, Jefferson Med. Coll. Hosp., 1932-1934; Bronchoscopist, Duke Hospital, 1937—

WILEY DAVIS FORBUS, A.B., M.D., *Professor of Pathology.*

A.B., Washington and Lee, 1916; M.D., Johns Hopkins, 1923; Res. and Assoc. Pathologist, Johns Hopkins Hosp., 1926-1927 and 1929-1930; Guest Ass't., Pathol. Inst., Ludwig Maximilian's Univ., Munich, 1928; Pathol., Balto. City Hosps.; Consulting Pathologist, Frederick City Hosp., 1925-1930; Ass't., Instr. and Assoc. in Path., Johns Hopkins Med. Sch., 1923-1930; Pathologist, Duke Hospital, 1930—

HERBERT JUNIUS FOX, M.D., *Instructor in Medicine.

M.D., Duke, 1935; Int. and Ass't. Res. in Med., University Hosps., Cleveland, 1935-1938; Fellow, Thorndike Institute of the Boston City Hosp., and Assoc. Instr. in Med., Harvard Med. Sch., 1938-1940; 1940—

† On active duty; U. S. Army.

* On active duty; U. S. Navy.

†CLARENCE ELLSWORTH GARDNER, JR., A.B., M.D., *Associate Professor of Surgery.*

A.B., Wittenberg, 1924; M.D., Johns Hopkins, 1928; Int. and Ass't. Res., Johns Hopkins Hosp., 1928-1930; Ass't. in Surg., Johns Hopkins Med. Sch., 1929-1930; Instr. and Ass't. Professor, Duke Med. Sch., 1930-1935; Resident in Surgery and Associate Surgeon, Duke Hospital, 1930—

†ROBERT L. GARRARD, A.B., M.S., B.S., M.D., *Instructor in Neuropsychiatry.*

A.B., M.S., B.S., Alabama, 1928 and 1930; M.D., Harvard, 1932, Jr. Fellow, Lahey Clinic, 1931-1932; Int., Boston Psych. Hosp., June 1-Sept. 30, 1932; Int., Boston City Sanat., Oct. 1, 1932-Jan. 31, 1933; Int., rotat., Rhode Island Hosp., Feb. 1, 1933-Jan. 31, 1935; Res., psych., Butler Psych. Hosp., Feb. 1-June 30, 1935; Dir., School Clinics & Pub. Health, Bristol County, Mass., July 1, 1935-May 31, 1936; Clin. Dir. and Supt., R. I. Sanatorium, June 1, 1936-Aug. 15, 1937; Res., Boston Psych. Hosp., Sept. 1, 1938-Aug. 31, 1939; Res., neurol., N. Y. City Hosp., March 1-May 31, 1940; Staff Phys., State Hosp., Morganton, N. C., June 20, 1940-Aug. 31, 1941; Private Practice of Neuropsych., Greensboro, N. C., 1941—

GEORGE GAYLAND GILBERT, B.S., M.D., *Assistant in Urology.*

B.S., Kenyon, 1934; M.D., Johns Hopkins, 1938; Int. in Urol., Johns Hopkins Hosp., 1938-1939; Int. in Path., Ass't. Res. in Student Health, Int. and Assistant Resident in Urology, Duke Hospital, 1939—

MARGARET LOUISE GOETSCH, A.B., M.D., *Assistant in Pediatrics.*

A.B., Chicago, 1936; M.D., Johns Hopkins, 1940; Int. in Med., Balto. City Hosps., 1940-1941; Int. in Ped., Children's Hosp., Phila., 1941-1942; Assistant Resident in Pediatrics, Duke Hospital, 1942—

ELIZA DOROTHY GOODMAN, R.N., Anes., *Assistant in Anesthesia.*

Diploma, Mary Washington Hosp. Sch. of Nursing, Fredericksburg, Va., 1927; Certificate in Anesthesia, Duke Hosp., 1933; Anesthetist, Southside Community Hosp., Farmville, Va., 1933-1934; Assistant Anesthetist, Duke Hospital, 1934—

ERASTUS GENAIR GOODMAN, JR., M.D., *Assistant in Medicine.*

B.S., North Carolina, 1938; M.D., Duke, 1940; Int., rotat., Doctors' Hosp., Washington, D. C., March 17-June 30, 1940; N. C. Sanatorium for Tuberculosis, July 1-Sept. 30, 1940; Int. and Assistant Resident in Medicine, Duke Hospital, 1940—

MABEL PAGE GORDON, A.B., P.T., *Instructor in Physiotherapy.*

A.B., Duke, 1932; P.T., Washington Sch. of Physical Ed., 1933; 1933—

WILLIAM ALEXANDER GRAHAM, A.B., M.D., *Instructor in Obstetrics and Gynecology.*

A.B., North Carolina, 1928; M.D., Pennsylvania, 1932; Int., rotat., Union Mem. Hosp., 1932-1933; Int., Obs. and Gyn., Royal Victoria Hosp., 1933-1934; Int., Women's Hosp., N. Y., 1934-1937; Assistant Obstetrician and Gynecologist, Duke Hospital, 1939—

ROBERT WILLIAMS GRAVES, B.S., M.A., M.D., *Assistant Professor of Neurology.*

B.S., Davidson, 1926; M.A., Princeton, 1928; M.D., Duke, 1933; Vol. Ass't., Montreal Neurological Instit., June-Dec., 1933; Int. and Ass't. Res. in Med., New Haven Hosp., 1934-Jan., 1936; Vol. Ass't., Nat'l. Hosp., Queen Square, London, and Instituto del Cancer, Madrid, Jan.-July, 1936; Instr. in Anat., Duke Med. Sch., 1936-1937; Assistant Physician, Duke Hospital, 1936—

CYRUS LEIGHTON GRAY, A.B., M.D., *Instructor in Radiology.*

B.S., High Point, 1933; M.D., Duke, 1937; Int. in Surg., Duke Hosp., 1937-1938; Res. Phys., N. C. Tuberculosis Sanatorium, 1938-1941; Ass't. Res. and Resident in Radiology, Duke Hospital, 1941—

MAURICE H. GREENHILL, A.B., M.D., *Associate in Neuropsychiatry.*

A.B., Rochester, 1931; M.D., Chicago, 1936; Int., Los Angeles Co. Gen'l. Hosp., 1936-1937; Psychiatrist, Worcester State Hosp., 1937-1939; Res. Psychiatrist, Mass. Gen'l. Hosp., 1939-1940; Fellow of the Rockefeller Foundation in Neurol., 1940-1941; Res. Fellow in Neurol., Harvard Med. Sch., 1940-1941; Res. Assoc., Neurological Unit, Boston City Hosp., 1940-1941; Assistant Neuropsychiatrist, Duke Hospital, 1940—

KEITH SANFORD GRIMSON, B.A., B.S., M.D., *Associate in Surgery.*

B.A. and B.S., North Dakota, 1930 and 1931; M.D., Rush Med. Coll., 1933; Int., Presbyterian Hosp., Chicago, 1933-1935; Ass't. Res., Res. and Instr. in Surg., Chicago, 1935-1942; Assistant Surgeon, Duke Hospital, 1942—

† On active duty; U. S. Army.

SNOWDEN COWMAN HALL, A.B., M.D., *Associate in Medicine.*

A.B., William and Mary, 1923; M.D., Harvard, 1930; Int., Boston City Hosp., 1930-1932; Ass't. Res. in Med., and Fellow, Private Diagnostic Clinic, Duke Hospital, 1932-1935; 1937—

EDWIN CROWELL HAMBLE, B.S., M.D., *Associate Professor of Obstetrics, Gynecology, and Endocrinology.*

B.S. and M.D., Virginia, 1921 and 1928; Ass't. and Instr. in Pharmacol. and Materia Medica, Baylor Med. Coll., 1922-1926; Int. and Res., Obs. and Gyn., Univ. of Va. Hosp., 1928-1930; Clin. Instr. in Obs. and Gyn., Univ. of Va. Med. Dept., 1930-1931; *Associate Obstetrician and Gynecologist, and Endocrinologist, Duke Hospital, 1931—*

PHILIP HANDLER, B.S., M.S., Ph.D., *Associate in Physiology and Nutrition.*

B.S., Coll. of City of New York, 1936; M.S. and Ph.D., Illinois, 1937 and 1939; 1939—

FREDERIC M. HANES, A.B., A.M., M.D., *Florence McAlister Professor of Medicine.*

A.B., North Carolina, 1903; A.M., Harvard, 1904; M.D., Johns Hopkins, 1908; Int., Johns Hopkins Hosp., 1908-1909; Assoc. Prof. of Path., Columbia, and Pathologist, Presbyterian Hosp., N. Y., 1909-1912; Assoc., Rockefeller Instit., 1912-1913; Assoc. Prof. of Medicine, Washington Univ. Med. Dept., 1913-1914; Ass't. in Neurology, Queen Square Hosp., London, 1914; Prof. of Therapeutics, Med. Coll. of Va., 1914-1916; Lt. Col. Commanding Base Hosp. 65, A. E. F., 1917-1918; *Physician, Duke Hospital, 1930—*

OSCAR CARL EDVARD HANSEN-PRÜSS, A.B., M.D., *Associate Professor of Medicine in Charge of Clinical Microscopy.*

A.B., Universidad Mayor de San Marcos, 1919; Vol. Ass't. in Path., Friedrich Wilhelm Universität, Berlin, 1920-1921; M.D., Johns Hopkins, 1924; Int., Ass't. Res. in Med., and Ass't. Physician, Johns Hopkins Hosp., 1924-1930; Ass't., Instr., and Assoc. in Medicine, Johns Hopkins Med. Sch., 1925-1930; Assistant and Associate Physician, *Duke Hospital, 1930—*

†JEROME SYLVAN HARRIS, A.B., M.D., *Associate in Pediatrics and Biochemistry.*

A.B., Dartmouth, 1929; M.D., Harvard, 1933; Med. House Officer, House of Good Samaritan, Boston, Oct., 1933-Jan., 1934; Int. in Med., Univ. of Chicago Clinics, 1934-1935; Int., Infants and Children's Hosp., Boston, 1935-1936; Ass't. Res. and Assistant *Pediatrician, Duke Hospital, 1936—*

DERYL HART, A.B., A.M., M.D., *Professor of Surgery.*

A.B. and A.M., Emory, 1916 and 1917; M.D., Johns Hopkins, 1921; Int. in Surg., Ass't. Res. in Surg. Path., Ass't. Res., Res., and Assoc. Surgeon, Johns Hopkins Hosp., 1921-1930; Ass't. in Path., Instr., and Assoc. in Surg., Johns Hopkins Med. Sch., 1922-1929; *Surgeon, Duke Hospital, 1930—*

JAMES EUGENE HEMPHILL, B.A., M.D., *Instructor in Radiology.*

B.A., Hampden-Sydney, 1933; M.D., Virginia, 1937; Int., U. S. Public Health Serv., Marine Hosp., Baltimore, 1937-1938; Ass't. Surg., Marine Hosp., Portland, Me., 1938-1939; Marine Hosp., Fort Worth, Tex., and Marine Hosp., Boston, 1939-1940; Ass't. Res. and Res. in Radiology, and Assistant Radiologist, *Duke Hospital, 1940—*

ALFRED FAXON HENDERSON, A.B., M.D., *Instructor in Urology.*

A.B. and M.D., Duke, 1933 and 1937; Int., rotat., Central Dispensary and Emergency Hosp., Washington, D. C., 1937-1938; Int. in Surg. and in Path., and Int. and Resident in Urology, *Duke Hospital, 1938—*

JAMES PAISLEY HENDRIX, B.S., M.A., M.D., *Associate in Medicine.*

B.S., Davidson, 1925; M.A., Davidson, 1926; M.D., Pennsylvania, 1930; Int., Hosp. of Univ. of Pa., 1930-1932; Research Fellow in Pharmacology, Pennsylvania, 1932-1935; Instr. in Pharmacology, 1935-1938; Part-time staff Physician, Medical and Gastro-Intestinal Clinics, University Hosp., 1935-1938; Assistant Physician, *Duke Hospital, 1938—*

FREDERICK HARRISON HESSER, A.B., M.D., *Instructor in Neuropsychiatry.*

A.B. and M.D., Johns Hopkins, 1933 and 1937; Int. in Med., Johns Hopkins Hosp., 1937-1938; Ass't. Res. in Med. and Neurol., Balto. City Hosp., 1938-1939; Fellow in Neurol., Johns Hopkins, 1939-1940; Ass't. Phys. Consolidated Gas, Electric Light and Power Co. of Baltimore, 1940-1941; Res. in Neurol., and Res. in Neuropsychiatry, *Duke Hospital, 1941—*

† On active duty; U. S. Army.

DUNCAN CHARTERIS HETHERINGTON, A.B., M.A., Ph.D., M.D.,
Associate Professor of Anatomy.

A.B., Colorado Coll., 1919; M.A. and Ph.D., Illinois, 1920 and 1922; M.D., Johns Hopkins, 1926; Instr. in Anat., Vanderbilt Med. Sch., 1926-1930; 1930—

†JOSEPH SPURGEON HIATT, JR., A.B., M.D., *Assistant in Medicine.*

A.B. and M.D., Duke, 1936 and 1940; Int., N. C. Sanatorium for Tuberculosis, Jan. 1-Feb. 28, 1940; Int. and Assistant Resident in Medicine, Duke Hospital, 1940-1942.

*JOSEPH M. HITCH, A.B., M.S., M.D., *Instructor in Dermatology and Syphilology.*

A.B., Delaware, 1929; M.D. and M.S., Virginia, 1933 and 1938; Int. in Derm. and Syphil., Univ. of Va. Hosp., April, 1933-July, 1934; Int., rotat., and in Med. and Surg., Univ. of Okla. Hosp., 1934-1935; Ass't. Res. in Derm. and Syphil., Cleveland City Hosp., 1935-1936; Res., Derm. and Syphil., Univ. of Va. Hosp., 1936-1937; Instr. and Service Fellow in Derm. and Syphil., Univ. of Va. Hosp., 1937-1938; 1938—

WILLIAM HENRY HOLLINSHEAD, B.A., M.S., Ph.D., *Assistant Professor of Anatomy.*

B.A., M.S., and Ph.D., Vanderbilt, 1926, 1927, and 1932; Instr. in Biol., Vanderbilt, 1927-1930; Instr. and Assoc. in Anat., Duke Med. Sch., 1930-1935; 1930—

†WILLIAM FREDWIN HOLLISTER, M.D., *Assistant in Surgery.*

M.D., Duke, 1938; Int. and Assistant Resident in Surgery, Duke Hospital, 1938-1942.

JESSE W. HUFF, B.S., *Nutrition Foundation Fellow in Biochemistry.*

B.S., Pittsburgh, 1940, 1940—

HOWARD EIKENBERRY JENSEN, A.B., A.M., B.D., Ph.D., *Professor of Sociology and Mental Hygiene.*

A.B. and A.M., Kansas, 1914 and 1915; B.D. and Ph.D., Chicago, 1917 and 1920; Fellow in Soc., Chicago, 1916-1918; Dir. Latin-American Survey, Interchurch World Movement, 1919-1920; Prof. of Soc., Butler, 1920-1928; Prof. of Soc., and Dir. of the Social Service Training Curriculum, Missouri, 1928-1931; Professor of Sociology, Duke University, 1931; 1941—

KRISTJAN JOHANNESSON, M.D., *Rockefeller Foundation Fellow in Medicine.*

Mennaskola, Iceland, M.D., 1942; Intern in Medicine, Duke Hospital, 1942—

LAWRENCE CLIFFORD JOHNSON, B.A., *Fellow in Sociology.*

B.A., Iowa, 1939; 1940—

CHRISTOPHER JOHNSTON, A.B., M.D., *Assistant Professor of Medicine.*

A.B. and M.D., Johns Hopkins, 1922 and 1926; Int. and Ass't. Res. in Med., Johns Hopkins Hosp., 1926-1928; Ass't. in Med., Johns Hopkins Med. Sch., 1927-1928; Ass't. Res. Physician, Hosp. of Rockefeller Instit., N. Y., 1928-1930; Assistant Physician, Duke Hospital, 1930—

†THOMAS T. JONES, A.B., M.D., *Associate in Medicine.*

A.B., Davidson, 1928; M.D., Johns Hopkins, 1932; Int. in Med., Balto. City Hosps., 1932-1933; Int. in Med., Mary Imogene Bassett Hosp., 1933-1934; Assistant Physician, Duke Hospital, 1937—

HENRY KAMIN, B.S., *Research Assistant in Biochemistry.*

B.S., Coll. of City of New York, 1940. 1940—

MALCOLM D. KEMP, M.D., *Instructor in Neuropsychiatry.*

M.D., Washington, 1930; Int., rotat., Grasslands Hosp., Valhalla, N. Y., 1930-1931; Ass't. Phys., Spring Grove State Hosp., Catonsville, Md., 1931-1935; Assoc. in Psychiatry, Phipps Clinic, Johns Hopkins Hosp., 1935-1936; Med. Dir., The Pinebluff Sanatorium, Pinebluff, N. C., 1936; Consulting Psychiatrist, Moore County Hosp., Pinehurst, N. C., 1941—

WALTER KEMPNER, M.D., *Assistant Professor of Medicine.*

M.D., Heidelberg, 1927; Int. in Med., Med. Clinic, Heidelberg, 1926-1927; Research Assoc. and Ass't. to Prof. O. Warburg, Kaiser Wilhelm Institut f. Zellphysiologie, Berlin-Dahlem, 1927-1928 and 1933-1934; Ass't. to Prof. von Bergmann, Med. Clinic, Univ. of Berlin, 1929-1933; Assistant Physician, Duke Hospital, 1934—

† On active duty; U. S. Army.

* On active duty; U. S. Navy.

GRACE P. KERBY, B.S., *Instructor in Pathology.*

B.S., Florida State Coll. for Women, 1933; Vol. Autopsy Bac., Johns Hopkins Med. Sch., 1933-1934; Bacteriologist, Biol. Lab., Johns Hopkins Hosp., 1934-1937; Brucellosis Lab., Clayton Foundation for Research, San Antonio, Tex., 1937-1940; 1940—

†HAROLD BARKER KERNODLE, M.D., *Assistant in Surgery.*

M.D., Duke, 1939; Int. in Obs. and Ped., and Int. and Assistant Resident in Surgery, Duke Hospital, 1939-1942.

JOHN ROBERT KERNODLE, A.B., M.D., *Assistant in Pathology.*

A.B., Elon, 1935; M.D., Duke, 1942; Int. and Assistant Resident in Pathology, 1942—

HENRY IRVING KOHN, A.B., Ph.D., *Assistant Professor of Physiology and Pharmacology.*

A.B., Dartmouth, 1930; Ph.D., Harvard, 1935; Fellow of the Gen'l. Educ. Bd., Stockholm and Cambridge, 1935-1937; 1937—

KRIDRIK KRISTOFERSSON, M.D., *Rockefeller Foundation Fellow in Medicine.*

Menntaskola, Iceland, M.D., 1941; Intern in Medicine, Duke Hospital, 1942—

HAROLD HUNTER KUHN, A.B., B.S., M.D., *Instructor in Orthopaedics.*

B.S., A.B., and M.D., Duke, 1938 and 1940; Int. and Ass't. Res. in Surgery, and Resident in Orthopaedics, Duke Hospital, 1940—

†ROBERT CARL LINCICOME, M.D., *Assistant on Private Medical Service.*

M.D., Duke, 1938; Int., N. C. Sanatorium for Tuberculosis, Sanatorium, N. C., Jan. 1-Feb. 28, 1939; Int. and Assistant Resident in Medicine, Duke Hospital, 1939-1942.

HANS LÖWENBACH, M.D., *Assistant Professor of Neuropsychiatry and Physiology.*

M.D., Hamburg, 1930; Int., Med. Clinic, 1929-1930, and Ass't., Physiolog. Inst., Freiburg i. B. 1930-1932; Ass't. Med. Clinic, Köln, 1932-1933; Ass't., Kaiser Wilhelm Inst. f. Hirnforschung, Physiolog. Abt., Berlin, 1933-1935; Fellow, Nansen Fund, Oslo, Norway, 1935-1936; Ship's Surgeon, Whaling Expeditions, 1936-1939; Res. Ass't. in Psychiatry, Johns Hopkins Med. Sch., 1939-1940; Assistant Neuropsychiatrist, Duke Hospital, 1940—

ARTHUR HILL LONDON, JR., B.S., M.D., *Associate in Pediatrics.*

B.S., North Carolina, 1925; M.D., Pennsylvania, 1927; Int., rotat., Methodist Episcopal Hosp., Phila., 1927-1928; Ass't. Res. in Ped., Children's Hosp., Cincinnati, 1928-1929; Chief Res., Children's Hosp., Phila., and Instr. in Ped., Pennsylvania Med. Sch., 1929-1930; Assistant Pediatrician, Duke Hospital, 1932—

DURWARD LEE LOVELL, M.D., *Assistant in Surgery.*

M.D., Duke, 1936; Int., Ass't. Res. and Resident in Surgery, Duke Hospital, 1937—

RICHARD SHERMAN LYMAN, B.A., M.D., *Professor of Neuropsychiatry.*

B.A., Yale, 1913; M.D., Johns Hopkins, 1921; Int., Henry Phipps Psychiatric Clinic, 1921-1922; Charleton Fellow in Med., 1922-1923, and Assoc. in Psychiatry, Johns Hopkins Med. Sch., 1923-1925; Asso. Prof. of Med., Rochester Med. Sch., 1925-1929; Volun. Ass't., Laboratory of Experiment. Physiol., Leningrad, U. S. S. R., 1929-1930; Assoc. Prof. of Neuropsychiatry, First Nat'l. Med. Sch., Shanghai, China, 1930-1931, and Peiping Union Med. Coll., 1931-1937; Lecturer in Psychiatry, Henry Phipps Psychiatric Clinic, 1938-1940; Neuropsychiatrist, Duke Hospital, 1940—

ANGUS McBRYDE, B.S., M.D., *Assistant Professor of Pediatrics.*

B.S., Davidson, 1924; M.D., Pennsylvania, 1928; Int. and Res. in Ped., Univ. of Pa. Hosp., 1928-1930; Ass't. Res. in Ped., Johns Hopkins Hosp. and Ass't. in Ped., Johns Hopkins Med. Sch., 1930-1931; Assistant Pediatrician, Duke Hospital, 1931—

PAUL PRESSLY MCCAIN, A.B., M.D., L.L.D., *Assistant Professor of Medicine.*

A.B., Erskine, 1907; M.D., Maryland, 1911; L.L.D., North Carolina; Int. Bay View Hosp., Baltimore, 1911-1912; Res., Gaylord Farm Sanat., Wallingford, Conn., 1912-1914; Chief of Med. Service, 1914-1924; and Sup't., N. C. Sanatorium for Tuberculosis, 1924; 1931—

† On active duty; U. S. Army.

FORREST DRAPER McCREA, B.S., M.S., Ph.D., *Associate Professor of Physiology and Pharmacology.*

B.S., Purdue, 1918; M.S., Illinois, 1923; Ph.D., Wisconsin, 1927; Instr. in Physiol., Illinois, 1920-1923; Instr. in Physiol., Wisconsin Med. Sch., 1923-1927; Ass't. Prof. of Physiol. and Pharmacol., Georgia Sch. of Med., 1927-1929; Sr. Instr. in Physiol., Western Reserve Univ. Sch. of Med., 1929-1930; 1930—

†RUDOLPH POWERS McCULLOCH, A.B., M.D., *Assistant in Student Health.*

A.B., Michigan State Normal, 1937; M.D., Duke, 1942; *Assistant Resident in Student Health, Duke Hospital, 1941—*

ROY HENDRIX McDOWELL, A.B., M.D., M.P.H., *Instructor in Syphilology.*

A.B., Wake Forest, 1923; M.D., Maryland, 1929; M.P.H., Johns Hopkins Hosp., 1940; Int., Balto. City Hosp., 1929-31; Practice, Belmont, N. C., 1931-38; Johns Hopkins Univ. Sch. of Hygiene and Johns Hopkins Hosp. Syphilis Clin., 1939-40; Dir. of Durham City and County Venereal Dis. Clin., 1941—

ALEXANDER WATTS MAKEPEACE, M.D., *Associate in Obstetrics and Gynecology.*

M.D., Harvard, 1928; Research Fellow, Harvard, 1928-1929; Int. in Surg., Long Island College Hosp., 1929-1930; Int. in Obs., Boston Lying-In Hosp., 1930-1931; Ass't. Res. in Obs., Johns Hopkins Hosp., 1931-1932; Ass't. Res. in Obs. and Gyn., and Research Assoc., Strong Mem. Hosp., Rochester, N. Y., 1932-1935; Instr. in Obs. and Gyn., School of Med., Univ. of Pa., and Instr., Hosp. of the Univ. of Pa., 1935-1940; *Professor of Obstetrics, School of Public Health, University of North Carolina, 1940; 1941—*

†ISAAC HALL MANNING, JR., A.B., M.D., *Associate in Medicine.*

A.B., North Carolina, 1931; M.D., Harvard, 1935; Int. in Med., Boston City Hosp., 1936-1937; Ass't. Res. in Med., Ass't. in Path., and Res. in Med., Duke Hospital, 1937-1939; 1939—

GEORGE MARGOLIS, A.B., M.D., *Assistant in Pathology.*

A.B., Johns Hopkins, 1936; M.D., Duke, 1940; Int. and *Assistant Resident in Pathology, Duke Hospital, 1940—*

LESTER HENRY MARGOLIS, A.B., M.D., *Instructor in Neurology.*

A.B., Johns Hopkins, 1936; M.D., Duke, 1940; Int., N. Y. State Hosp., Ray Brook, N. Y., July 1-Sept. 30, 1940; Int. and Ass't. Res. in Med., and *Resident in Neurology, Duke Hospital, 1940—*

DONALD STOVER MARTIN, A.B., M.D., *Associate Professor of Bacteriology and Associate in Medicine.*

A.B., Johns Hopkins, 1925; M.D., Rochester, 1930; Int. in Ped., Strong Mem. Hosp., 1930-1931; Ass't. in Physiol. and Ass't. in Bact., Rochester Med. Sch., 1926-1927 and 1931-1932; *Associate Bacteriologist, Duke Hospital, 1932—*

ELSIE W. MARTIN, A.B., M.S., *Professor of Dietetics.*

A.B., Whitman, 1913; M.S., Teachers Coll., Columbia, 1927; Prof. of Home Economics, Puget Sound, 1915-1917; Dietitian, Univ. of Iowa Hosp., 1919-1920, and Charles T. Miller Hosp., St. Paul, Minn., 1920-1926; Admin. Dietitian, Lakeside Hosp., Cleveland, 1929-1930; *Chief Dietitian, Duke Hospital, 1930—*

IGNACIO MATTE BLANCO, B.Hum., M.B., M.D., *Lecturer in Psychiatry.*

B.Hum., Liceo Alemán de Santiago, 1923; M.B. and M.D., Chile, 1924 and 1930; Physiol. Lab. and Ass't. in Biochem., Chile, 1925-1932; Lab. Chief of Physiol. and Prof. of Physiol., Univ. Católica, 1931-1933; Research Fellow in Physiol., University College, London, 1934; British Inst. of Psychoanal., 1934-1937; Northumberland House, London, 1935; Clin. Ass't., Maudsley Hosp. for Nerv. Dis., London, 1936; Priv. Practice in Psychoanal., London, 1936-1940; Clin. Ass't., British Inst. of Psychoanal., 1937-1940; Fellow Royal Soc. Med., London; Ass't. Psych. and Research Fellow in Psych., Phipps Clinic, Johns Hopkins Hosp., 1940; 1941—

JAO ALVES MEIRA, B.A., M.D., *Rockefeller Foundation Fellow in Medicine.*

B.A., State Gymnasium, 1921; M.D., São Paulo Med. Sch., 1927; Clin. Ass't., 1928-1931; 1st Ass't. in Parasitology, 1931-1934; Dept. of Phy. Ed., 1935-1938; São Paulo State Dept. of Health, 1938; Docent in Trop. Med. and Infectious Disease, São Paulo Med. Sch., and Clin. Ass't., Inst. of Hygiene, São Paulo, 1938-1941; *Intern in Medicine, Duke Hospital, 1942—*

† On active duty; U. S. Army.

ELIJAH EUGENE MENEFEE, JR., B.S., M.D., *Instructor in Medicine and Bacteriology, and Anna H. Hanes Research Fellow.*

B.S. and M.D., Duke, 1936; Int., N. Y. State Sanatorium, Raybrook, July 1-Aug. 31, 1936; Int. in Med., Duke Hospital, 1936-1937; Research Fellow in Med. and Bact., Duke Med. Sch., 1937-1938; Res. in Tbc., Bellevue Hosp., New York City, Jan. 1-Dec. 31, 1939; 1940—

DANIEL FRANKLIN MILAM, A.B., M.P.H., M.D., *Associate in Preventive Medicine and Public Health.*

A.B., Vanderbilt, 1916; M.D., Chicago, 1924; M.P.H., Johns Hopkins, 1930; Field Staff, The Rockefeller Foundation; Research Prof. of Nutrition, North Carolina; 1939—

ROBERT GLEVE NEILL, A.B., M.A., M.D., *Assistant in Surgery.*

A.B. and M.A., California, 1935 and 1937; M.D., Duke, 1941; Int. and Assistant Resident in Surgery, Duke Hospital, 1942—

HANS NEURATH, Ph.D., *Assistant Professor of Biochemistry.*

Ph.D., Vienna, 1933; Instr. in Colloid Chem., Vienna, 1933-1934; Research Fellow, Univ. of London, 1934-1935; Research Fellow in Biochem., Minn., 1935-1936; Instr. in Chem., Cornell, 1936-1938; Research Assoc. in Biochem., Duke Med. Sch., 1938-1939; 1938—

†GLENN CARRAWAY NEWMAN, B.S., M.D., *Assistant in Medicine.*

B.S. and M.D., Duke, 1938 and 1939; Int. in Obs. and Ped., and Int. and Assistant Resident in Medicine, Duke Hospital, 1939-1942.

FRANCIS NICHOLSON, B.S., M.D., *Assistant in Surgery.*

B.S. and M.D., Tulane, 1938 and 1941; Touro Infirmary, New Orleans, La., Rotat., Int., 1941-1942; Assistant Resident in Surgery, 1942—

WILLIAM McNEAL NICHOLSON, A.B., M.D., *Assistant Professor of Medicine.*

A.B., Duke, 1927; M.D., Johns Hopkins, 1931; Res. House Officer in Med., Johns Hopkins Hosp., 1931-1932; Ass't. in Path. and in Med., Johns Hopkins Med. Sch., 1932-1935; Assistant Physician, Duke Hospital, 1935—

RAY O. NOOJIN, A.B., M.D., *Instructor in Dermatology and Syphilology.*

A.B., Alabama, 1933; M.D., Chicago, 1937; Int. in Med., 1937-1938, and Int. in Med. and Resident in Dermatology and Syphilology, Duke Hospital, 1940—

GRIZZELLE M. NORFLEET, A.B., B.S., M.A., *Supervisor of the Spastic Clinic.*

A.B., Salem, 1920; B.S. and M.A., Columbia, 1923 and 1928; 1938—

EDWARD STEWART ORGAIN, M.D., *Assistant Professor of Medicine.*

M.D., Virginia, 1930; Int., Ass't. Res. and Res. in Med., Univ. Hosp., Cleveland, 1930-1933; Res. Fellow in Med., assigned to Cardiology, Mass. Gen'l. Hosp., 1933-1934; Assistant Physician, Duke Hospital, 1934—

ALBERT ARCHER PARRISH, A.B., M.D., *Assistant in Urology.*

A.B. and M.D., Duke, 1933 and 1939; Int., Rocky Mount Sanatorium, Rocky Mount, N. C., Jan. 1-June 30, 1939; Int. in Surg., Ass't. Res. in Student Health, and Assistant Resident in Urology, Duke Hospital, 1939—

ARTHUR SPERRY PEARSE, B.S., A.M., Ph.D., L.L.D., *Professor of Zoology.*

B.S., A.M., L.L.D., Nebraska, 1900, 1904, and 1941; Ph.D., Harvard, 1908; Austin Teaching Fellow, Harvard, 1907-1908; London School of Hygiene and Tropical Medicine, 1926; Instr. in Zoology, Michigan, 1908-1910; Ass't. Prof., 1910-1911; Assoc. Prof., Philippines, 1911; St. Louis, 1911; Wisconsin, 1911-1912; Assoc. Prof., 1912-1919; Prof., 1919-1927; Prof., Keiogijuku Digaku, Tokyo, 1929-1930; 1930—

*RICHARD LEHMER PEARSE, A.B., M.D., *Instructor in Obstetrics and Gynecology.*

A.B., Duke, 1927; M.D., Harvard, 1931; Int., Free Hosp. for Women, 1931-1932; Int., Mass. Gen'l. Hosp., 1932-1934; Int., Providence Lying-In Hosp., 1934-1935; Ass't. Res. and Res. in Obstetrics and Gynecology, and Assistant Obstetrician and Gynecologist, Duke Hospital, 1935—

† On active duty; U. S. Army.

* On active duty; U. S. Navy.

TALMAGE LEE PEELE, A.B., M.D., *Associate in Anatomy.*

A.B. and M.D., Duke, 1929 and 1934; Ass't. in Anat., Duke Med. Sch., 1931-1934; Int. and Ass't. Res. in Med., Duke Hosp., 1934-1936; Int. and Res. in Neurol., Bellevue Hosp., New York City, 1936-1937; Fellow in Anat., Johns Hopkins Med. Sch., 1937-1938; Instr. in Anat., Rochester Med. Sch., 1938-1939; 1939—

WILLIAM ALEXANDER PERLZWEIG, B.S., A.M., Ph.D., *Professor of Biochemistry.*

B.S., A.M., and Ph.D., Columbia, 1913, 1914, and 1915; Ass't. in Physiol. Chem., Columbia Med. Sch., 1913-1916; Research Chemist, Rockefeller Institute, 1916-1917; Research Biochemist, Hygienic Laboratory, U. S. Public Health Serv., 1919-1921; Instr. and Assoc. in Med., Johns Hopkins Med. Sch., 1922-1930; Chemist to the Med. Clin., Johns Hopkins Hosp., 1922-1930; *Biochemist, Duke Hospital, 1930—*

†ELBERT LAPSLEY PERSONS, A.B., M.D., *Assistant Professor of Medicine.*

A.B., Ohio State, 1923; M.D., Harvard, 1927; House Officer, Huntington Mem. Hosp., Boston, 1925-1926; Int. and Res. in Med., Mass. Gen'l. Hosp., 1927-1930; Teaching Fellow in Med., Harvard Med. Sch., 1929-1930; Res. in Med. and Assistant Physician, Duke Hospital, 1930—

MARGARET ISABEL PINKERTON, B.S., R.N., *Dean of the School of Nursing and Professor of Nursing.*

R.N., Univ. of Va. Sch. of Nursing, 1927; B.S. in Nursing Education, Teachers Coll., Columbia, 1936; Ass't. Supt. of Nurses, Stuart Circle Hosp., 1928-1930; Hostess and Ass't. Supt. of Nurses, Univ. of Va. Hosp., 1930-1935; Instr. in Nursing Arts, Washington Univ. Sch. of Nursing, 1936-1938; Supt. of Nurses, Barnes Hosp., 1938-1939; *Superintendent of Nurses, Duke Hospital, 1939—*

MARY ALVERTA POSTON, A.M., *Instructor in Bacteriology.*

A.M., Duke, 1939; Ass't. in Biol. Lab., Johns Hopkins Hosp., 1922-1930; *Assistant Bacteriologist, Duke Hospital, 1930—*

RONALD EDON PRINDLE, B.A., M.D., *Assistant in Otolaryngology and Ophthalmology.*

B.A., Rochester, 1935; M.D., New York, 1939; Int., Robert Packer Hosp., Sayre, Pa., 1939-1940; 8 mo. Ophthal. course, Grad. Sch. of Med., Pennsylvania, 1940-1941; *Assistant Resident in Otolaryngology and Ophthalmology, Duke Hospital, 1942—*

ELISABETH CATHERINE RANDELL, M.B., B.S., *Assistant in Biochemistry.*

M.B., B.S., London, 1938; County Mental Hosp., Rainhill, Lancashire, July 25-Oct. 15, 1937; Clapham Maternity Hosp., London, Nov. 1, 1937-April 1, 1938; Int. in Biochem., Royal Free Hosp., London, June 1, 1938-Feb. 28, 1939; Neuropath. Lab. of Mass. Gen'l. Hosp., June 1-Sept. 15, 1939; Vol. Grad. Ass't. in Path., Peter Bent Brigham Hosp., Sept. 15, 1939-April 30, 1940; Int. in Med., Ottawa Gen'l. Hosp., Sept. 15-Nov. 30, 1940; Int., Toronto East Gen'l. Hosp., Dec. 1, 1940-April 1, 1941; Res. Ass't. in Biochem., Univ. of Toronto, June 1, 1941-June 1, 1942; *Assistant Resident in Biochemistry, Duke Hospital, 1942—*

RICHARD BEVERLY RANEY, A.B., M.D., *Associate in Orthopaedics.*

A.B., North Carolina, 1926; M.D., Harvard, 1930; Int. in Surg., 1930-1931; Surg. Pathologist, 1931-1932; Ass't. Res. and Assoc. Res. Surgeon, Strong Mem. Hosp., 1932-1934; Res. in Orth. and Assistant Orthopaedist, Duke Hospital, 1934—

I. THOMAS REAMER, Ph.G., *Instructor in Pharmacy.*

Ph.G., Maryland, 1924; Ass't. Pharmacist, Johns Hopkins Hosp., 1925-1931; *Pharmacist, Duke Hospital, 1931—*

ROBERT JAMES REEVES, A.B., M.D., *Clinical Professor of Radiology.*

A.B. and M.D., Baylor, 1920 and 1924; Int., Baylor Hosp., 1924-1925; Res. in Roentgenol., Mass. Gen'l. Hosp., 1925-1926; Ass't. Attending Physician in Roentgen Ray Dept., Presbyterian Hosp. and Med. Center, N. Y., 1926-1930; Instr. in Med., Columbia Med. Sch., 1925-1930; *Radiologist, Duke Hospital, 1930—*

†PAUL GERHARD REQUE, M.D., *Instructor in Medicine, Dermatology and Syphilology.*

M.D., Duke, 1933; Int. and Ass't. Res. in Med., Duke Hosp., 1933-1935; Ass't. Res. in Med., Lakeside Hosp., Cleveland, Ohio, 1935-1936; Instr. in Med. Ass't., Yale, 1936-1938; in practice, Brooklyn, N. Y., and Clin. Ass't. Dermatologist, New York Post Graduate Hosp., 1938-1940; 1940—

† On active duty; U. S. Army.

WILLIAM P. RICHARDSON, B.A., M.P.H., M.D., *Instructor in Preventive Medicine and Public Health.*

B.A. (Med.), Wake Forest, 1926; M.D., Med. Coll. of Va., 1928; M.P.H., Johns Hopkins, 1933; Associate Professor of Public Health Administration, North Carolina, in charge of District Health Department; 1938—

†LOUIS CARROLL ROBERTS, B.S., M.D., *Instructor in Urology.*

B.S., Davidson, 1930; M.D., Duke, 1933; Int. in Surg., Ass't. Res. in Path., Ass't. Res. in Surg., and Res. in Urol., and *Assistant Urologist, Duke Hospital, 1933—*

MILTON JOSEPH ROSENAU, A.M., M.D., *Lecturer in Preventive Medicine and Public Health.*

M.D., Pennsylvania, 1889; Student, Hygienische Institut, Berlin, 1892-1893; L'Institut Pasteur, Paris, 1900; Pathologisches Institut, Vienna, 1900; Hon. A.M., Harvard; Professor of Epidemiology and Director of the School of Public Health, University of North Carolina, 1936—

IRA STANLEY ROSS, A.B., M.D., *Assistant in Neuropsychiatry.*

A.B. and M.D., Duke, 1934 and 1938; Int. in Ped. and Electro-Encephalography; and *Assistant Resident, Neuropsychiatry, Duke Hospital, 1939—*

†NORMAN F. ROSS, D.D.S., *Instructor in Dentistry.*

D.D.S., Temple, 1937; Int. in Dentistry, and *Assistant Dentist, Duke Hospital, 1937—*

*ROBERT ALEXANDER ROSS, B.S., M.D., *Associate Professor of Obstetrics and Gynecology.*

B.S., North Carolina, 1920; M.D., Pennsylvania, 1922; Res. Physician, Univ. of Pa. Settlement House, 1921-1922; Int. Episcopal Hosp., Phila., 1922-1924; Int. and Res., Kensington Hosp. for Women, 1923-1925; Obstetrician, Watts Hosp.; Obstetrician, Salvation Army Hosp.; Consulting Obstetrician and Gynecologist, Lincoln Hosp.; *Associate Obstetrician and Gynecologist, Duke Hospital, 1930—*

MARVIN PIERCE RUCKER, A.M., M.D., L.L.D., *Lecturer in Obstetrics and Gynecology.*

A.B., A.M., and L.L.D., Randolph-Macon, 1899 and 1938; M.D., Johns Hopkins, 1903; N. Y. Lying-In Hosp.; Demonstrator in Physiol., Pharmacol., Histol., Path., Embryol. and Obs., and Assoc. in Obs., and Assoc. Prof. of Obs., Med. Coll. of Va., 1903-1930; Obstetrician, Johnson-Willis Hosp., Richmond, Va., 1930; 1941—

JULIAN MEADE RUFFIN, A.B., M.A., M.D., *Associate Professor of Medicine.*

A.B., M.A., and M.D., Virginia, 1921, 1922, and 1926; Int. and House Officer, Bellevue Hosp., N. Y., 1926-1928; Instr. in Phys. Diag., George Washington Med. Sch., 1928-1930; Assistant and *Associate Physician, Duke Hospital, 1930—*

JAMES WILBUR SACHS, B.S., M.C., *Instructor in Otolaryngology and Ophthalmology.*

B.S. and M.D., Duke, 1936 and 1938; Int., Public Health Serv., U. S. Marine Hosp., Seattle, 1938-1939, and Med. Center for Federal Prisoners, Springfield, Mo., July 1-Dec. 31, 1939; Int. and *Resident in Otolaryngology and Ophthalmology, Duke Hospital, 1940—*

A. AUSTIN SALMON, B.S., *Research Fellow in Endocrinology.*

B.S., Long Island, 1936; Fellow, Gyn. Endocrine Lab., Mt. Sinai Hosp., N. Y., 1939-1941; 1941—

HERBERT PAUL SARETT, B.A., M.S., Ph.D., *Instructor in Biochemistry.*

B.A., Brooklyn, 1936; M.S., Cornell, 1937; Ph.D. Duke, 1942; 1939—

†PAUL WELSTEAD SCHANHER, JR., B.A. and M.D., *Assistant in Surgery.*

B.S. and M.D., Duke, 1935 and 1938; Int. in Med., Balto. City Hosps., Jan. 1-June 30, 1939; Int. and *Assistant Resident in Surgery, Duke Hospital, 1939—*

HERMAN MAX SCHIEBEL, A.B., M.D., *Instructor in Surgery.*

A.B. and M.D., Johns Hopkins, 1929 and 1933; Int., Ass't. Res. and Res. in Surg., Duke Hosp., 1933-1939; 1939—

CLOTILDE SCHLAYER, Ph.D., *Research Assistant in Medicine.*

Ph.D., Heidelberg, 1927; Voluntary Research Ass't. in Cellular Physiol., University Hosp. of Berlin, 1933-1935; 1937—

† On active duty; U. S. Army.

* On active duty; U. S. Navy.

THOMAS GILBERT SCHNOOR, B.S., M.D., *Instructor in Otolaryngology and Ophthalmology.*

B.S. and M.D., Duke, 1938 and 1939; Int. in Surg., Duke Hosp., Feb. 1-May 15, 1939, and Stanford Univ. Hosp., 1939-1940; Int., Ass't. Res. and Resident in Otolaryngology and Ophthalmology, Duke Hospital, 1940—

† WILLIAM SCHULZE, B.S., M.D., *Instructor in Medicine and Robert M. Hanes Research Fellow.*

B.S., Richmond, 1932; M.D., Duke, 1936; Ass't. Res. in Med., Mass. Gen'l. Hosp., July, 1938-Sept., 1938; Int. Ass't. Res. and Res. in Med., and Assistant Physician, Duke Hospital, 1936—

† WILL CAMP SEALY, B.S., M.D., *Instructor in Surgery.*

B.S. and M.D., Emory, 1933 and 1936; Int., Ass't. Res., and Res. in Surg., Duke Hosp., 1936-1942.

D. GORDON SHARP, B.S., M.A., Ph.D., *Research Associate in Experimental Surgery.*

B.S., Rutgers, 1932; M.A. and Ph.D., Duke, 1937 and 1939; Research Physicist in x-ray and ultraviolet ray, Westinghouse Elec. & Mfg. Co., Bloomfield, N. J., 1932-1936; Research Fellow in Physics, Duke Univ., and Fellow in Surgery, Duke Med. Sch., 1936-1939; 1939—

PAUL ERVIN SIMPSON, A.B., M.D., *Assistant in Obstetrics and Gynecology.*

A.B. and M.D., Duke, 1936 and 1940; Int. in Surg., Balto. City Hosps., Balto., Md., March-July, 1940; Int. in Med., Long Island Coll. Hosp., Long Island, N. Y., July 1, 1940-July 1, 1941; Int. and Assistant Resident, Obstetrics and Gynecology, Duke Hospital, 1941—

MARY CLYDE SINGLETON, B.S., P.T., *Assistant in Physiotherapy.*

B.S., Woman's College, U. of N. C., 1932; P. T., Washington Sch. of Physical Ed., 1934; Watts Hosp., 1934-1935; Duke Hosp., 1935-1936; Veterans Adm., June-Sept., 1936; 1940—

DAVID TILLERSON SMITH, A.B., M.D., *Professor of Bacteriology and Associate Professor of Medicine.*

A.B., Furman, 1918; M.D., Johns Hopkins, 1922; Int. in Ped., Johns Hopkins Hosp., 1922-1923; Ass't. in Path. and Bact., Rockefeller Instit., 1923-1924; Bacteriologist; Pathologist and Director, Research Laboratory of N. Y. State Hosp. for Tuberculosis, Ray Brook, 1924-1930; Bacteriologist and Associate Physician, Duke Hospital, 1930—

† O. NORRIS SMITH, B.A., M.D., *Associate in Medicine.*

B.A., Washington and Lee, 1929; M.D., Pennsylvania, 1933; Int., rotat., Pennsylvania Hosp., 1933-1935; Res. in Path., Univ. Hosp., and Ass't. Instr. in Path., Univ. of Pa. Med. Sch., 1935-1937; Ass't. Physician, O. P. C., Pennsylvania Hosp., 1936-1937; Ass't. Res. in Med., Duke Hospital, 1937-1938; 1937—

PRESTON WILLIAM SMITH, *Assistant in Clinical Microscopy.*

Assistant in Clinical Microscopy, Duke Univ. Sch. of Med., 1932—

STEDMAN WEST SMITH, A.B., M.D., C.M., *Assistant in Obstetrics and Gynecology.*

A.B., Brown, 1936; M.D., C.M., McGill, 1940; Int., rotat., Bridgeport Hosp., 1940-1941; Int. in Path., and Assistant Resident in Obstetrics and Gynecology, Duke Hospital, 1941—

SUSAN GOWER SMITH, A.B., M.A., *Associate in Medicine.*

A.B., Barnard, 1919; M.A., Columbia, 1924; Chemist, N. Y. State Hosp., 1926-1930; Instr. in Biochem.; Instr. in Phys. and Pharm.; Assoc. in Phys. and Nutrition, and Associate in Med. and Nutrition; 1930—

MARY HELEN SNIVELY, R.N., Anes., *Instructor in Anesthesia.*

Diploma, Johns Hopkins Hosp. Sch. of Nursing, 1929; Certificate in Anesthesia, Johns Hopkins Hosp., 1930; Anesthetist, Duke Hospital, 1930—

JOSEPH ANDERSON SPEED, M.D., *Director of Student Health.*

M.D., Jefferson, 1914; Int., rotat., Phila. Polyclinic Hosp., 1914-1915; Int., Babies Hosp., Phila., June-Nov., 1915; In practice, Durham, 1915-1917; Capt., Med. Corps, 113th Field Artillery, A. E. F., 1917-1919; in practice and College Phys. for Students, Trinity Coll., 1920-1930; 1930—

† On active duty; U. S. Army.

DOUGLAS HAMILTON SPRUNT, B.S., M.S., M.D., *Associate Professor of Pathology.*

B.S., Virginia, 1922; M.D. and M.S., Yale, 1927 and 1929; Acting Res. and Res. in Path., New Haven Hosp., 1927-1929; Instr. in Path., Yale Med. Sch., 1928-1929; Sterling Research Fellow, 1929-1930; Ass't. in Med., Hosp. of Rockefeller Instit., 1930-1932; *Associate Pathologist, Duke Hospital, 1932—*

†JOSEPH BLACKBURN STEVENS, B.S., M.D., *Associate in Medicine.*

B.S., Davidson, 1932; M.D., Duke, 1935; Int., Jr. Ass't., Ass't. Res. in Path.; Int. and Ass't. Res. in Med., and Res. in Neurol., Duke Hospital, 1936-1940; 1940—

†ROBERT BURKE SUITT, M.D., *Associate in Neuropsychiatry.*

M.D., St. Louis, 1932; House Officer, Neuropsychiatric Serv., Alexian Brothers Hosp., St. Louis, 1931-1932; Jun. Physician, St. Louis City Hosp., 1932-1933; Res. in Psychiatry, Highland Hosp., Asheville, N. C., 1933-1938; Ass't. in Psychiatry, Johns Hopkins Univ., 1938-1940; Ass't. Dispen. Psychiatrist, Johns Hopkins Hosp., 1939-1940; *Assistant Neuropsychiatrist, Duke Hospital, 1940—*

†DANIEL JOSEPH SULLIVAN, M.D., *Instructor in Neuropsychiatry.*

M.D., Temple, 1934; Int., rotat., Gallinger Municipal Hosp., 1934-1935, and Res. in Psychiatry, St. Elizabeth's Hosp., Washington, D. C., 1935-1936; Instr. in Neurol., George Washington Med. Sch., 1935-1936; Visit. Jr. Psychiatrist, Washington Mental Hyg. Institute, Washington, D. C., 1935-1936; Sr. Physician, in Charge of Male Admission Serv., Boston State Hosp., Feb. 1, 1938-Dec. 15, 1939; Assistant to the Medical Director, Highland Hospital, Asheville, N. C., 1940—

FRANCIS HUNTINGTON SWETT, A.B., M.A., Ph.D., *Professor of Anatomy.*

A.B., Bates, 1916; M.A., Brown, 1917; Ph.D., Yale, 1922; Instr. and Assoc. in Anat., Johns Hopkins Med. Sch., 1922-1925; Assoc. Prof. of Anat., Vanderbilt Med. Sch., 1925-1930; 1930—

ALTON ROBERT TAYLOR, B.S., Ph.D., *Research Associate in Surgery.*

B.S., Wesleyan, 1930; Ph.D., Princeton, 1939; Research Ass't. and Research Assoc. in Biol., Princeton, 1930-1939; 1939—

HAYWOOD MAURICE TAYLOR, B.S., M.S., Ph.D., *Associate Professor of Biochemistry and Toxicology.*

B.S., M.S., and Ph.D., North Carolina, 1920, 1921, and 1924; Instr. in Chem. and Pharmaceut. Chem., North Carolina, 1920-1925; Research Chemist, E. R. Squibb & Sons, and Fisk Rubber Co., 1925-1928; Instr. in Ophthalmol., and Chemist to Wilmer Institute, Johns Hopkins Hosp., 1928-1930; Visiting Fellow in Forensic Med., New York Univ., 1934; *Associate Biochemist and Toxicologist, Duke Hospital, 1930—*

†WALTER LEE THOMAS, JR., A.B., M.A., M.D., *Assistant Professor of Obstetrics and Gynecology.*

A.B., Lynchburg, 1926; M.A. and M.D., Virginia, 1927 and 1931; Int., Virginia-Mason Hosp., 1931-1932; Ass't. Res. and Res. in Obs. and Gyn., Duke Hosp., 1932-1935; Assistant Obstetrician and Gynecologist, Henry Ford Hosp., Detroit, 1936-1937; *Assistant Obstetrician and Gynecologist, Duke Hospital, 1932—*

EDGAR TRISTRAM THOMPSON, A.B., A.M., Ph.D., *Associate Professor of Sociology and Mental Hygiene.*

A.B., South Carolina, 1922; A.M., Missouri, 1924; Ph.D., Chicago, 1932; Instr., North Carolina, 1924-1926; Adjunct Prof., Texas, 1927-1928; Instr., Earlham Coll., Richmond, Ind., 1928-1929; Adjunct Prof., Washington, 1930-1931; Research Prof. in Soc., Hawaii, 1932-1935; Ass't. Prof. and Associate Professor of Sociology, Duke University, 1935; 1941—

†EDWIN HALE THORNHILL, M.D., *Instructor in Otolaryngology and Ophthalmology.*

M.D., Duke, 1938; Int., rotat., Church Home & Infirmary, Baltimore, 1938-1939; Int., Ass't. Res. and Res. in Otolar. and Ophthalm., Duke Hosp., 1939-1942.

JOSIAH CHARLES TRENT, A.B., M.D., *Assistant in Surgery.*

A.B., Duke, 1934; M.D., Pennsylvania, 1938; Int. in Med., Henry Ford Hosp., Detroit, 1938-1939; Int. and Assistant Resident in Surgery, Duke Hospital, 1939—

RICHARD BERESFORD TUDOR, A.B., M.D., *Assistant in Pediatrics.*

A.B. and M.D., Minnesota, 1936 and 1941; Int. and Assistant Resident in Pediatrics, Duke Hospital, 1941—

† On active duty; U. S. Army.

LARRY TURNER, A.B., M.D., *Assistant in Otolaryngology and Ophthalmology.*

A.B. and M.D., Duke, 1935 and 1939; Int. in Med., Balto. City Hosps., Baltimore, Md., 1939-1940; Int., Rotat., University Hosps., Oklahoma City, Okla., 1940-1941; Int. and Assistant Resident in Otolaryngology and Ophthalmology, Duke Hospital, 1942—

†SAMUEL EARLE UPCHURCH, B.A., M.D., *Instructor in Surgery.*

B.A. and M.D., Vanderbilt, 1929 and 1933; Int. in Surg., Int. and Ass't. Res. in Med., and Ass't. Res. and Res. in Surg., Duke Hosp., 1933-1941; 1941—

MAXIMO SCHEPELER VASQUEZ, A.B., M.D., *Pan-American Sanitary Bureau Fellow in Pediatrics.*

A.B. and M.D., Universidad de Chile, 1934 and 1937; Intern in Pediatrics, Duke Hospital, 1941—

CHARLOTTE FRISCH WALKER, M.D., *Instructor in Neuropsychiatry.*

M.D., Vienna, 1938; Ass't. Neuropsych., Hosp. of Univ. Vienna, 1938; Ass't. in Res., Dept. of Neuro-Phys., Yale, 1938-1939; Int., rotat., Meriden Hosp., July 1-Oct. 1, 1939; Int., psych., Conn. State Hosp., Nov. 1, 1939-June 30, 1940; Int., rotat., Sibley Mem. Hosp., July 1, 1940-June 30, 1941; Ass't. Res., Neuropsychiatry, Duke Hosp., 1941-1942; 1941—

GERALD CAMPBELL WALKER, M.D., C.M., *Instructor in Pathology.*

M.D., C.M., Queens, 1935; Int., rotat., Kingston Gen'l. Hosp., Ontario, 1935-1936; Practice 1936-1938; Int. in Path., Ottawa Civic Hosp., Ottawa, 1939; Int. in Path., Royal Victoria Hosp., Montreal, 1939-1940; Int. in Path., Boston City Hosp., 1940-1941; Ass't. Res. and Resident in Pathology, Duke Hospital, 1941—

KENNETH DURHAM WEEKS, B.S., M.D., *Assistant in Medicine.*

B.S., Davidson, 1935; M.D., Duke, 1939; Int. and Ass't. Res. in Med., 1939-1941; Ass't. Res. in Path., Vanderbilt Univ. Hosp., 1941-1942; Assistant Resident in Medicine, 1942—

WARNER LEE WELLS, M.D., *Assistant in Surgery.*

M.D., Duke, 1938; Int. and Assistant Resident in Surgery, Duke Hospital, 1938—

DAVID ALEXANDER WILSON, B.A., M.A., M.D., *Assistant in Surgery.*

B.A., Wooster, 1932; M.A., Wesleyan, 1933; M.D., Ohio, 1938; Franklin County Hosp., Columbus, Ohio, 1938-1939; Int. and Ass't. Res., Duke Hosp., 1939-1941; Practice, 1941-1942; Assistant Resident in Surgery, Duke Hospital, 1942—

JAMES MAZYCK WILSON, A.B., M.D., *Assistant in Obstetrics and Gynecology.*

A.B., Princeton, 1933; M.D., South Carolina, 1937; Int., rotat., Gorgas Hosp., Ancon, Canal Zone, 1937-1938; Int. in Path., and in Med., and Int. and Assistant Resident in Obstetrics and Gynecology, Duke Hospital, 1938—

NANCY BOWMAN WISE, A.B., M.D., *Associate and James A. Greene Research Fellow in Medicine.*

A.B., Mt. Holyoke, 1932; M.D., Yale, 1937; Int. and Ass't. Res. in Med., and Research Fellow in Medicine and Bacteriology, Duke Hospital, 1937—

BARNES WOODHALL, A.B., M.D., *Assistant Professor of Surgery in Charge of Neurosurgery.*

A.B., Williams, 1926; M.D., Johns Hopkins, 1930; Int., Ass't. Res. and Res. in Surg., Johns Hopkins Hosp., 1930-1937; Ass't. and Instr. in Surg., Johns Hopkins Med. Sch., 1931-1937; Assistant Surgeon, Duke Hospital, 1937—

KARL ARDEN YOUNGSTROM, A.B., M.A., Ph.D., *Associate in Anatomy.*

A.B., M.A., and Ph.D., Kansas, 1930, 1932, and 1937; Instr. in Bact., 1930-1931, and in Anat., Kansas, 1931-1937; 1937—

NONRESIDENT FELLOWS

†ELBERT D. APPLE, M.D., Washington, 1929; *Medicine.*

†HOWARD D. APPLE, D.D.S., Atlanta Southern, 1939; *Dentistry.*

†GORDON JOSEPH AXELSON, M.D., Duke, 1937; *Medicine.*

† On active duty; U. S. Army.

- †WILLIAM HENRY BRIDGERS, B.S. and M.D., Duke, 1936; *Surgery*.
- †WOODROW WILSON BURGESS, A.B. and M.D., Duke, 1937 and 1941; *Neuropsychiatry*.
- †FRED S. CADDELL, A.B., Elon, 1930; D.D.S., Atlanta Southern, 1934; *Dentistry*.
- †JAMES HENDERSON CHERRY, B.S. and M.D., Duke, 1932 and 1934; *Orthopaedics*.
- †WILLIAM DEMPSEY FARMER, A.B. and M.D., Duke, 1930 and 1934; *Ophthalmology and Otolaryngology*.
- †WILLIAM LORENZ HALTOM, M.D., Duke, 1932; *Urology*.
- †JULIAN ERICH JACOBS, M.D., Nebraska, 1935; *Orthopaedics*.
- †ARTHUR G. JAMES, M.D., Ohio State, 1933; *Surgery*.
- †ARTHUR HARVEY JOISTAD, JR., A.B., North Dakota, 1933; M.D., Duke, 1938; *Radiology*.
- †COYTE R. MINGES, D.D.S., Medical College of Virginia, 1936; *Dentistry*.
- †GIBBONS WESTBROOK MURPHY, *Radiology*.
- †CHRISTOPHER STUART, JR., M.D., McGill, 1934; *Urology*.
- †HUGH FRANKLIN SWINGLE, JR., B.S., Tennessee, 1933; M.D., Duke, 1936; *Medicine*.
- †EVERETTE R. TEAGUE, D.D.S., Atlanta Southern, 1933; *Dentistry*.
- †CHESTER H. WATERS, JR., B.A., Amherst, 1932; M.D., Nebraska, 1936; *Orthopaedics*.
- †PERRY B. WHITTINGTON, JR., D.D.S., Pennsylvania, 1932; *Dentistry*.
- †LOUIS B. ZIV, A.B. and M.D., Johns Hopkins, 1926 and 1930; *Surgery*.

† On active duty; U. S. Army.

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 *RAYMOND S. CRISPELL, A.B., M.D., *Neuropsychiatry*.
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 MAURICE H. GREENHILL, A.B., M.D., *Neuropsychiatry*.

* On active duty; U. S. Navy.

† On active duty; U. S. Army.

MALCOLM D. KEMP, M.D., *Neuropsychiatry*.
 HANS LÖWENBACH, M.D., *Neuropsychiatry*.
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 †ROBERT BURKE SUITT, M.D., *Neuropsychiatry*.
 †DANIEL JOSEPH SULLIVAN, M.D., *Neuropsychiatry*.

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DAVID CAYER, B.A. and M.D., Duke, 1935 and 1938; *Medicine*.
 DURWARD LEE LOVELL, M.D., Duke, 1936; *Surgery*.
 ROBERT NOWELL CREADICK, B.A., Wesleyan, 1933; M.D., Yale, 1937; *Obstetrics and Gynecology*.
 FREDERICK HARRISON HESSER, A.B. and M.D., Johns Hopkins, 1933 and 1937; *Neuropsychiatry*.
 PAUL HENRI DUCHARME, B.S., Georgetown, 1933; M.D., Harvard, 1937; *Radiotherapy*.
 CYRUS LEIGHTON GRAY, B.S., High Point, 1933; M.D., Duke, 1937; *Radiology*.
 LESTER HENRY MARGOLIS, A.B., Johns Hopkins, 1936; M.D., Duke, 1940; *Neurology*.
 JAMES WILBUR SACHS, B.S. and M.D., Duke, 1936 and 1938; *Otolaryngology and Ophthalmology*.
 HAROLD HUNTER KUHN, B.S., A.B., and M.D., Duke, 1938 and 1940; *Orthopaedics*.
 ALFRED FAXON HENDERSON, A.B. and M.D., Duke, 1933 and 1937; *Urology*.
 RAY O. NOOJIN, A.B., Alabama, 1933; M.D., Chicago, 1937; *Dermatology and Syphilology*.
 GERALD CAMPBELL WALKER, M.D. and C.M., Queens, 1935; *Pathology*.

Assistant Residents

EDWARD PERRY BENBOW, JR., A.B., North Carolina, 1937; M.D., Duke, 1941; *Medicine*.
 ERASTUS GENAIR GOODMAN, JR., M.D., Duke, 1940; *Medicine*.
 KENNETH DURHAM WEEKS, B.S., Davidson, 1935; M.D., Duke, 1939; *Medicine*.
 ROBERT GLEVE NEILL, A.B. and M.A., California, 1935 and 1937; M.D., Duke, 1941; *Surgery*.
 FRANCIS NICHOLSON, B.S. and M.D., Tulane, 1938 and 1941; *Surgery*.
 JOSIAH CHARLES TRENT, A.B., Duke, 1934; M.D., Pennsylvania, 1938; *Surgery*.
 WARNER LEE WELLS, M.D., Duke, 1938; *Surgery*.
 RONALD EDON PRINDLE, B.A., Rochester, 1935; M.D., New York, 1939; *Otolaryngology and Ophthalmology*.
 THOMAS GILBERT SCHNOOR, B.S. and M.D., Duke, 1938 and 1939; *Otolaryngology and Ophthalmology*.
 LARRY TURNER, A.B. and M.D., Duke, 1935 and 1939; *Otolaryngology and Ophthalmology*.
 GEORGE GAYLORD GILBERT, B.S., Kenyon, 1934; M.D., Johns Hopkins, 1938; *Urology*.
 ALBERT ARCHER PARRISH, A.B. and M.D., 1933 and 1938; *Urology*.
 ROBERT LEONHARDT ALTER, M.D., Duke, 1938; *Obstetrics and Gynecology*.
 GLENN SONDERS EDGERTON, B.S., North Carolina, 1930; M.D., Temple, 1932; *Obstetrics and Gynecology*.
 PAUL ERVIN SIMPSON, A.B. and M.D., Duke, 1936 and 1940; *Obstetrics and Gynecology*.
 JAMES MAZYCK WILSON, A.B., Princeton, 1933; M.D., South Carolina, 1937; *Obstetrics and Gynecology*.
 CLARENCE DANIEL DAVIS, S.B., Mass. Instit. of Technology, 1935; M.D., Johns Hopkins, 1939; *Endocrinology*.
 IRA STANLEY ROSS, A.B. and M.D., Duke, 1934 and 1938; *Neuropsychiatry*.
 MARGARET LOUISE GOETSCH, A.B., Chicago, 1936; M.D., Johns Hopkins, 1940; *Pediatrics*.

† On active duty; U. S. Army.

- RICHARD BERESFORD TUDOR, A.B. and M.D., Minnesota, 1936 and 1941; *Pediatrics*.
 KENWARD OLIVER BABCOCK, A.B., Stanford, 1935; M.D., Duke, 1941; *Pathology*.
 ISADORE NATHAN DUBIN, B.S., M.D. and C.M., McGill, 1935 and 1939; *Pathology*.
 JOHN ROBERT KERNODLE, A.B., Elon, 1935; M.D., Duke, 1942; *Pathology*.
 †RUDOLPH POWERS McCULLOCH, A.B., Michigan State Normal, 1937; M.D., Duke, 1942; *Student Health*.
 GEORGE MARGOLIS, A.B., Johns Hopkins, 1936; M.D., Duke, 1940; *Pathology*.
 ELIZABETH CATHERINE RANDELL, M.B., B.S., London, 1938; *Biochemistry*.

Interns

- JOHN FLETCHER COMER, B.S., Birmingham-Southern, 1936; M.D., Johns Hopkins, 1940; *Medicine*.
 ARTHUR HOWARD FLOWER, JR., A.B., Heidelberg, 1938; M.D., Duke, 1942; *Medicine*.
 WILLIAM HARRISON HIGGINS, III, B.S., Davidson, 1937; M.D., Johns Hopkins, 1942; *Medicine*.
 HERBERT DAVID KERMAN, A.B. and M.D., Duke, 1938 and 1942; *Medicine*.
 HERBERT ARTHUR KING, A.B., Richmond, 1939; M.D., Duke, 1943; *Medicine*.
 BRITA ROSENQVIST McLEAN, B.S., Pittsburgh, 1938; M.D., Duke, 1942; *Medicine*.
 MURIEL MEYERS, A.B., Hood, 1937; M.D., Duke, 1941; *Medicine*.
 JAMES FRANKLIN REINHARDT, B.S., Davidson, 1938; M.D., Duke, 1942; *Medicine*.
 HELEN STARKE, A.B. and M.D., Duke, 1938 and 1942; *Medicine*.
 KEARNS REID THOMPSON, JR., A.B. and M.D., Duke, 1939 and 1943; *Medicine*.
 ROBERT JAMES VANDERLINDE, M.D., Duke, 1943; *Medicine*.
 ARMISTEAD DANDRIDGE WILLIAMS, M.D., Virginia, 1941; *Medicine*.
 H. QUIGG FLETCHER, A.B., Vanderbilt, 1938; M.D., Johns Hopkins, 1942; *Surgery*.
 GAMEEL BYRON HODGE, B.S., Wofford, 1938; M.D., Vanderbilt, 1942; *Surgery*.
 CHARLES EDWARD KERNODLE, JR., A.B., Elon, 1938; M.D., Duke, 1942; *Surgery*.
 KENNETH MERRILL LYNCH, JR., A.B., Princeton, 1938; M.D., Johns Hopkins, 1942; *Surgery*.
 DAVIS DELEON MOISE, M.D., Duke, *Surgery*.
 FRANK THEODORE MORAN, B.A., Vanderbilt, 1938; M.D., Duke, 1942; *Surgery*.
 ROBERT ALFRED GREER RICKETSON, A.B., Vanderbilt, 1938; M.D., Duke, 1942; *Surgery*.
 MAX PRITCHARD ROGERS, A.B., High Point, 1938; M.D., Duke, 1942; *Surgery*.
 JOHN MATHER STREET, B.A., Yale, 1938; M.D., Duke, 1942; *Surgery*.
 GARDNER FORD SMART, B.S. and M.D., Duke, 1937 and 1941; *Otolaryngology and Ophthalmology*.
 PRENTISS WILLSON, JR., M.D., Pennsylvania, 1941; *Obstetrics and Gynecology*.
 CHARLES HAMILTON REID, JR., A.B., North Carolina, 1938; M.D., Duke, 1942; *Obstetrics and Pediatrics*.
 WILLIAM CRENSHAW SMITH, B.S., Randolph Macon, 1938; M.D., Duke, 1942; *Obstetrics and Pediatrics*.
 RALPH GORDON TEMPLETON, M.D., Duke, 1942; *Obstetrics and Pediatrics*.
 WALTER F. WHITT, JR., A.B., Catawba, 1938; M.D., Duke, 1942; *Obstetrics and Pediatrics*.
 LEO MAX BASHINSKY, A.B. and M.D., Vanderbilt, 1939 and 1943; *Pediatrics*.
 WALTER ELLIS BRYANT, B.S., Newberry, 1938; M.D., Duke, 1942; *Pediatrics*.
 JAMES MONROE FISHER, A.B., Miami, 1938; M.D., Johns Hopkins, 1942; *Pediatrics*.
 FRANK LEDESMA-DIAZ, B.S., Catholic, 1938; M.D., Duke, 1942; *Pediatrics*.
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- JOSEPH ARMISTEAD FORD, JR., A.B., Virginia Military Institute, 1937; M.D., Duke, 1942; *Psychiatry*.
- RICHARD BIDGOOD WHITAKER, M.D., Duke, 1941; *Neuropsychiatry*.
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Huntington, West Virginia.....	R. M. WYLIE

* On active duty; U. S. Navy.

† On active duty; U. S. Army.

GENERAL STATEMENT

Duke University School of Medicine and Duke Hospital were established in 1925, through the munificent gift of the late James B. Duke. The *School of Medicine* has been planned to insure the greatest correlation between the various departments. These facilities are available also for students who are studying for degrees other than that of Doctor of Medicine. The School of Medicine has been approved as Class A by the American Medical Association and is also a member of the Association of the American Medical Colleges. On July 6, 1942, two hundred and sixty-seven students were enrolled.

FACILITIES OF THE HOSPITAL

Duke Hospital has every modern convenience for the diagnosis, proper care, welfare and comfort of the patients, both private and charity, white and colored, whether they come from Durham or from a distance. It has 604 beds, including 50 bassinets for newly born infants. *Medicine*, including dermatology and neurology, has 75 ward beds; *surgery*, including urology, otolaryngology, ophthalmology and orthopaedics, 143 ward beds; *obstetrics*, including *gynecology*, 56, and 50 bassinets; *neuropsychiatry*, 23; and *pediatrics*, 52. There are 205 private rooms and semiprivate cubicles, 7 air-conditioned operating rooms, and 4 obstetric delivery rooms. Offices and examining rooms for the members of the Medical Faculty are located in the Hospital. The Hospital has been approved for internships and residences by the Council on Medical Education and Hospitals of the American Medical Association.

Duke Hospital and its Public Dispensary were opened for patients on July 21, 1930. One hundred and eighty-one thousand, five hundred individuals have been examined, diagnosed, and treated up to June 30, 1942. The average daily census of hospital patients is 415; 104,056 visits were made to the Public Dispensary during the past year. Fifteen per cent of the patients come from within a radius of twenty miles, the remaining 85 per cent come from the other 99 counties in North Carolina and from 27 other states and 3 foreign countries. The average distance traveled by the patients is more than seventy miles.

Every effort is being made to co-operate with the medical profession, and patients are asked to return to the physicians who referred them to the Hospital and Clinic.

PUBLIC WARD PATIENTS. Duke Hospital cannot give charity treatment to all who apply; therefore, patients whose incomes are less than \$15 per week should apply to the Public Dispensary Division of the Duke Clinic on the days and hours listed below. The hospital fees consist of four classes of flat daily rates (private, semiprivate, semicharity, and charity), which cover all hospital costs, including those usually charged as extras, thereby making it possible to estimate, in advance, the probable cost of hospitalization and to adjust the bill to the patient's resources. This policy

of basing the rate upon the amount the patient can pay, rather than on the actual cost, has enabled many, who, under the former system, unnecessarily were objects of charity, to maintain their self-respect by contributing a fixed sum within their means. The actual cost to the Hospital for public care is over \$6.00 daily; but in order to meet the greatly increased demand for charity work, Duke Hospital adopted the co-operative plan of paying half the cost, provided the patient's local welfare department co-operated by paying the other half. This is in accordance with Mr. Duke's plan that the communities share, with the Duke Endowment, the burden of charity patients, instead of either carrying all of it. Although 63 per cent of the patients pay less than cost, the revenue from patients, their friends, the counties, and the Duke Endowment provides approximately half of their expenses. By having every patient contribute in accordance with his means, the balance, which Duke Hospital gives in charity or less than cost service, has been spread over a large number of people. Instead of giving complete and pauperizing charity care to four thousand patients, the Hospital has been able to assist approximately thirteen thousand individuals annually to obtain medical care for which they could not pay the full cost.

PUBLIC DISPENSARY DIVISION OF THE DUKE CLINIC. The general policy of admitting patients to the Public Dispensary and Wards is to consider carefully their financial and social status; income and size of family, special responsibilities, and the probable cost of treatment, all being weighed in determining admission. A married patient, for instance, with an income of less than \$15 per week is considered admissible to the Public Wards or Public Dispensary for ordinary conditions; the income limit, of course, varying according to the other factors which affect the patient's financial status. Those who are able to pay the ordinary fees of consultants and specialists are not admitted to the Public Dispensary, but may make arrangements through their own physicians for examinations by any member of the Hospital Staff or in the Private Diagnostic Clinic.

SCHEDULE OF THE PUBLIC DISPENSARY DIVISION OF THE DUKE CLINIC. Closed on Saturdays, Sundays, and holidays. Patients must register at the times listed. Appointments should be made in advance.

Registration hours: 12:00 M., unless otherwise noted below.

General Medicine
General Surgery
Neurosurgery
Obstetrics and Gynecology
(Women's Diseases)
Children's Diseases†
Neuropsychiatry
Skin Diseases
Eye
Ear, Nose, and Throat
Bone and Joint Diseases
Tumors
Urinary and Kidney Diseases

*Monday, Tuesday, Wednesday,
Thursday, and Friday.*

† Also at 9 A.M.

Dentistry: *Monday at 12:00 M.*

Cystoscopy: *Monday, Wednesday, and Thursday.**

Syphilis: *Thursday, Children at 9:00 A.M. and Adults at 6:00 P.M.**

Asthma and Hay Fever: }
Diabetes: } *Tuesday at 9:00 A.M.**

Infant Feeding: }
Fracture: } *Friday at 9:00 A.M.**

Pneumothorax (chest and tubercular): *Thursday at 9:00 A.M.**

Endocrine (sterility, menstrual disorders, etc.): *Tuesday, Wednesday, and Thursday at 8:30 A.M.-12:00 M.**

Hematology (diseases of the blood): *Monday at 1:00 P.M.**

Bronchoscopy: *Monday at 9:00 A.M.**

Neurology: *Wednesday at 9:00 A.M.**

The Public Dispensary charge is from \$3.00 to \$5.00 for the first visit to any department, plus the actual cost of x-rays and other materials used. For the return visits to the regular clinics, the rate is from fifty to seventy-five cents for consultation or completion of examination; and \$2.00 for patients who have not been instructed to return, but who do so on their own initiative. In order to co-operate with the medical profession, anyone who wishes to attend the Public Dispensary should consult, and bring a letter from, his or her own physician. Delay will be avoided if appointments are made in advance.

PRIVATE PATIENTS. Patients who can pay the ward and private rates may at any time, through their family physicians, in consultation with any member of the Hospital Staff, make reservations by telephoning to the Admitting Office. Appointments for private examinations and treatments may be made in advance by telephoning to members of the Hospital Staff or to the Private Diagnostic Division of the Duke Clinic.

PRIVATE DIAGNOSTIC DIVISION OF THE DUKE CLINIC. This division was organized to co-ordinate the diagnostic studies, and to give better care for the complicated problems arising in the examinations of private patients. The Clinical Staff of Duke Hospital and School of Medicine forms the professional staff of this clinic, while the financial side is handled by a business manager. The offices and examining rooms are in Duke Hospital, and all the laboratory and diagnostic facilities of the Hospital and School of Medicine are utilized by the Clinic. A complete diagnostic survey usually requires from one to four days, and the charges generally range from \$15 to \$75, the amount depending on the work required and on the financial condition of the patient. As soon as each examination has been completed, a full report describing the results of the diagnostic studies is forwarded to the physician who referred the patient.

SCHOOL OF NURSING

MARGARET I. PINKERTON, B.S., R.N., *Dean of the School of Nursing and Professor of Nursing.*

* By previous appointment only.

ELIZABETH COKER MCINTOSH, A.B., R.N., B.S., *Assistant Professor of Nursing Education.*

†JULIA E. WHITE, A.B., R.N., *Assistant to the Dean.*

LOTTIE C. CORKER, R.N., *Assistant to the Dean.*

VERA VIRGINIA THOMAS, R.N., *Assistant to the Dean.*

The next class of students will be admitted to the Duke University School of Nursing on April 1, 1943, but applications will be considered at any time. Further information about the entrance and other requirements, length of the course, tuition fees, application forms, and bulletins may be obtained by writing to the Dean of the School of Nursing, Duke University, Durham, N. C.

SCHOOL OF DIETETICS

ELSIE W. MARTIN, A.B., M.S., *Professor of Dietetics.*

JANE HEREFORD, B.S., *Administrative Dietitian.*

FRANCES CAMPBELL, B.S., *Therapeutic Dietitian.*

ERNESTINE KERNODLE, B.S., *Therapeutic Dietitian.*

EDITH WESCOTT, B.S., *Administrative Dietitian.*

ARTHEALIA E. HOLLISTER, B.S., *Administrative Dietitian.*

MARGARET TULL, B.S., *Administrative Dietitian.*

CARLENE MILLICAN, B.S., *Administrative Dietitian.*

In addition to the training of medical students and nurses in dietetics, ten student dietitians may be admitted to the School of Dietetics and given the certificate of graduate dietitian after the successful completion of one year. The entrance requirements are a Bachelor's degree from an approved university or college, with majors in nutrition and institutional management, and the courses in chemistry, biology, social science, and education recommended by the American Dietetic Association. The course for student dietitians provides instruction in all phases of hospital and institutional dietetics, including experience from the buying and storage of food to its service to the patient according to the physician's orders. In addition, if applying for graduate credit, they will be required to complete the courses in biochemistry, nutrition, and selected portions of physiology as given to the medical students.

More detailed information and application blanks may be obtained from the Professor of Dietetics, Duke University School of Dietetics, Durham, N. C. The course starts the first Monday in September, but applications for appointments should be made before February 1. If a student receives advanced credit, a tuition fee of \$50 is charged. All students pay a registration fee of \$10 at the time of appointment; maintenance is provided.

HOSPITAL ADMINISTRATION

F. V. ALTVATER, A.B., A.M., *Superintendent.*

F. R. PORTER, A.B., *Assistant Superintendent.*

H. C. MICKEY, B.B.A., *Assistant Superintendent.*

R. T. HOLMES, A.B., *Assistant Superintendent.*

C. H. COBB, Ph.G., *Business Manager, Medical Division.*

E. S. RAFFER, A.B., *Business Manager, Surgical Division.*

†J. KENT DAVIS, *Assistant in Administration.*

†GEORGE BOKINSKY, *Assistant in Administration.*

†J. G. BROTHERS, *Assistant in Administration.*

†S. O. GILMER, *Assistant in Administration.*

† On active duty; U. S. Army.

After the war three or four internships in hospital administration leading to a certificate will again be available to university graduates whose character, tact, and ability for leadership are good, and whose academic standing is high. These internships are of three years' duration and pay a small salary in addition to room, board, and laundry. Vacations of two weeks are allowed at the beginning of the second and third years of internship.

The instruction is practical rather than theoretical in emphasis. The interns are rotated through five different assistant administrative positions in the Hospital. There is also a weekly seminar lasting two hours.

During these three years, the interns also register in the Graduate School of Duke University, and receive the A.M. degree after the successful completion of a thesis and twenty-four semester hours of University courses in various fields. Further information may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C.

COURSE IN LABORATORY TECHNIQUE

DAVID T. SMITH, A.B., M.D., *Professor of Bacteriology.*

HAYWOOD M. TAYLOR, B.S., M.S., Ph.D., *Associate Professor of Biochemistry.*

OSCAR C. E. HANSEN-PRÜSS, A.B., M.D., *Associate Professor of Medicine.*

DONALD S. MARTIN, A.B., M.D., *Associate Professor of Bacteriology and Mycology.*

The course in laboratory technique includes training in blood chemistry, clinical microscopy, bacteriology, serology, basal metabolism, and histopathological technique. The course, which is approved by the Registry of Technicians of the American Society of Clinical Pathologists, lasts eighteen months. A new class will be admitted every nine months on the same dates that each class of first-year medical students is admitted. Two years of college work are required with credits in biology or zoology, and inorganic, analytical and organic chemistry. The registration fee is \$75, and there are no additional charges, except for breakage. The students live in town at their own expense. Applications may be sent to Dr. David T. Smith, Duke Hospital, Durham, N. C.

ANESTHESIA

MARY H. SNIVELY, R.N., Anes., *Instructor in Anesthesia.*

ELIZA D. GOODMAN, R.N., Anes., *Assistant in Anesthesia.*

ALMA S. HAMM, R.N., Anes., *Assistant in Anesthesia.*

NANCY L. MUHLEMAN, R.N., Anes., *Assistant in Anesthesia.*

A. DOROTHEA SHEPPARD, R.N., Anes., *Assistant in Anesthesia.*

A twelve months' postgraduate course in anesthesia is offered to registered nurses. The training includes the theory and practice of anesthesia as approved by the American Association of Nurse Anesthetists. Students are accepted each January 15, April 15, July 15, and October 15. The tuition fee of \$100 covers all necessary expenses including maintenance. Applications may be sent to Miss Mary H. Snively, Duke Hospital, Durham, N. C.

MEDICAL SOCIAL SERVICE

RUTH E. BARKER, A.B., M.S., *Instructor in Medical Social Service.*

KATHERINE L. BARRIER, A.B., M.S., *Assistant in Medical Social Service.*

MARY C. BOWERS, A.B., M.S., *Assistant in Medical Social Service.*

RHODA W. CLOUGH, A.B., B.S., M.S., *Assistant in Medical Social Service.*

MAUDE McCracken, A.B., M.S., *Assistant in Medical Social Service.*

Medical Social case-work service is offered to patients referred by personnel within the Hospital, and by interested individuals and health and welfare agencies outside of the Hospital. Assistance and advice in connection with the problems presented are available to the members of the Staff and referring agencies.

The department assists in teaching social aspects of illness and medical care through consultations and lectures to the various students within the Duke Medical and Nursing Schools. It also serves as an agency for supervised field work for students of the Graduate School of the University of North Carolina, and a member of the staff serves as a co-ordinator of a series of medical lectures for this School. Further information concerning training for advanced students may be obtained from the Social Service Department, Duke Hospital, Durham, N. C.

RECORD LIBRARY

JESSIE HARNED, R.R.L., *Medical Records Librarian*

A course for the training of medical records librarians, which has been given full approval by the American Association of Medical Records Librarians, includes all details of the theory and practice of clinical record library methods. The length of the training is twelve months. The tuition fee is \$100 and does not include maintenance. Applications may be made to the Medical Records Librarian, Duke Hospital, Durham, N. C.

PHYSIOTHERAPY

MABEL GORDON, A.B., P.T., *Instructor in Physiotherapy.*

MARY C. SINGLETON, B.S., P.T., *Assistant in Physiotherapy.*

MIRIAM KILLAM, P.T., *Assistant in Physiotherapy.*

ELEANOR CASEY, P.T., *Assistant in Physiotherapy.*

A course outlining physiotherapy with practical work in corrective posture exercises, foot exercises, and massage is required of student nurses during one quarter of their first year. An elective course including the theory and practice of physiotherapy is offered to third- and fourth-year medical students each quarter.

POSTGRADUATE STUDY

The School of Medicine is not limited to the training of its own students and Staff, but extends to the members of the medical profession the benefit of everything it has. Graduates in medicine are welcomed especially at the various clinics and demonstrations in medicine, surgery, obstetrics, and other specialties, which are held from 9 A.M. to 12:30 P.M. each Saturday and at the clinical-pathological conferences at 5 P.M. on

Fridays. Postgraduate internships for one or two weeks are available to physicians in practice. No fees are charged; room and board can be obtained for \$20 per week. Further information may be obtained by writing to the head of the department concerned or to the Dean.

INTERNSHIPS AND RESIDENCIES

Internships of one year's duration with room, board, laundry, and uniforms furnished, but without salary, are available in *medicine*, *surgery* (including general surgery, urology, and orthopaedics), *orthopaedics*, *urology*, *otolaryngology-ophthalmology*, *dentistry*, *obstetrics and gynecology*, *endocrinology*, *pediatrics*, *neuropsychiatry*, and *pathology*, commencing April 1, 1943, January 1 and October 1, 1944.

Application blanks for all internships, which must be returned at least three months before the beginning of the internship desired, may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C. Graduates of any Class A medical school are eligible for internships.

After the completion of an internship in Duke Hospital or in another acceptable hospital, a certain number may be appointed as assistant residents in medicine, surgery, obstetrics and gynecology, pediatrics, psychiatry, neurology, dermatology, orthopaedics, urology, otolaryngology, ophthalmology, roentgenology, pathology, biochemistry, or the Student Health Service, or as fellows of the Private Diagnostic Clinic, at a salary of \$250 to \$500 per year with maintenance, and eventually may be promoted to the residency in the various departments or subdepartments of the Hospital at an annual salary of \$500 to \$1,000 with maintenance. Applications should be made to the head of the department concerned.

The Hospital and School of Medicine are an integral part of the Duke University campus, and its educational, recreational, and athletic facilities are available for the Resident Staff.

The present Resident Staff of one hundred and eight consists of a resident, eight assistant residents, and thirteen interns in *medicine*; a resident in *neurology*; a resident in *dermatology and syphilology*; three assistant residents on the *Private Medical Service*; two assistant residents on the *Student Health Service*; a resident, two assistant residents, and an intern in *neuropsychiatry*; a resident, eight assistant residents, and twelve interns in *surgery* (the eight assistant residents are assigned in rotation to *general surgery*, *orthopaedics*, and *pathology*); two residents, an assistant resident, and three interns in *otolaryngology and ophthalmology*; a resident, an assistant resident, and an intern in *orthopaedics*; a resident, an assistant resident, and an intern in *urology*; an intern in *dentistry*; a resident, four assistant residents, and two interns in *obstetrics and gynecology*; four interns in *obstetrics and pediatrics*; a resident, assistant resident, and an intern in *endocrinology*; three assistant residents and six interns in *pediatrics*; a resident and two assistant residents in *radiology*; three assistant residents and four interns in *pathology*; two assistant residents in *biochemistry*; four interns in *administration*; two interns in *pharmacy*.

LIBRARY

JUDITH FARRAR, A.B., B.S., *Librarian.*

MILDRED PERKINS FARRAR, *Assistant Librarian.*

"To study the phenomena of disease without books is to sail an uncharted sea, while to study books without patients is not to go to sea at all."—SIR WILLIAM OSLER.

In addition to the General Library of Duke University and the departmental libraries of biology, chemistry, physics, etc., which have 619,468 volumes available for medical students, Duke Hospital Library contains 39,576 volumes of American and foreign medical literature and subscribes to 385 current American and foreign medical and other scientific journals. These books and journals are available daily from 8:30 A.M. to 11:00 P.M. for the students, nurses, Staff, and medical profession.

MEDICAL CARE

JOSEPH A. SPEED, *Physician in Charge.*

†RUDOLPH P. McCULLOCH, *Assistant Physician.*

LUCY JANE GREGORY, *Assistant Physician.*

With the exceptions noted below, full medical and surgical care is furnished to all regularly matriculated medical students of the University for the health fee of \$3.33 per quarter. This service is under the direction of the Physician in Charge with the co-operation of the Staff of Duke Hospital. It includes hospitalization (limited to thirty days), medical and surgical care, drugs, dressings, x-ray studies, and ward but not special nursing. A charge for board is made at the same rate as in the University dining halls, and student meal tickets for these halls are accepted in payment of this board. Refraction of eyes and treatment of teeth and of all chronic and pre-existing conditions, such as diseased tonsils, hernias, elective surgery, chronic skin conditions, endocrine disturbances, etc., or accidents or illnesses occurring during vacations or while off the campus, are not included in this service. The cost of any necessary braces and orthopaedic appliances, as well as of special nursing, must be borne by the student.

STUDENT GOVERNMENT

The members of the student body elect an Honor Council in which each class is represented. It is the duty of the Honor Council to hear all cases involving breaches of conduct on the part of members of the student body. All new students entering the School are required to comply with this system of government.

THE DUKE UNIVERSITY MEDICAL SOCIETY

This society was organized to facilitate the presentation of current medical problems before the students, Staff, and other interested persons in the University and professional community. Meetings are held monthly during the academic year, and the programs usually consist of short case presentations and discussions followed by a description of some staff or student research project. Occasionally guest speakers from other institutions are invited to participate in the programs.

† On active duty; U. S. Army.

APPLICATION FOR ADMISSION

Application forms may be obtained by writing to the Committee on Admission, Duke University School of Medicine, Durham, N. C. If further information is required after the Committee has studied the completed application, a personal interview with the Committee on Admission or a Regional Representative is arranged for the applicant. The candidate then is notified as soon as possible whether he has been accepted or declined; if accepted, he must send a deposit of \$50 within two weeks to insure enrollment. This money is applied toward the tuition. During the war a first-year class will be admitted every nine months, i.e., July 6, 1942, April 1, 1943, January 27, 1944, and October 5, 1944. Applications should be submitted at least six months before the opening date. The number of students in each class is limited to 76, but only those students will be accepted who give promise of being a credit to the School and the medical profession. Women are received on the same terms as men. In the event of vacancies, students from other medical schools may be considered for admission to any quarter for which their previous training has fitted them. Each application for advanced standing will be considered upon its own merits.

REQUIREMENTS FOR ADMISSION

"I request that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination and application evincing a wholesome and real ambition for life."—JAMES B. DUKE.

Intelligence and character are the essential qualifications for admission.

The minimum requirements for admission to this School include approved college credits of not less than three full academic years, which shall include adequate preparation in English, mathematics, physics, biology, and chemistry.* This preparation should be obtained in college courses of one-year duration except for chemistry. In that subject a two-year course is recommended: the first year to cover general (inorganic) chemistry; the second, analytic and organic chemistry.

The premedical student should be aware of the importance of a well-rounded general education as a preparation for the study of medicine and not limit himself to scientific courses. He would be better advised to secure a knowledge of the principles and a thorough appreciation of the interrelations of the basic sciences than to accumulate credits in many courses. He should learn how to work independently, to observe critically, and to analyze, rather than simply store the information presented. His choice of studies, beyond those required for admission, should be governed by his own chief interests and by the intellectual stimulus to be derived from the work. His major interest may be in any field, scientific or otherwise, and should provide an opportunity for the demonstration of his real ability. In general he should avoid courses in subjects which are included in the medical curriculum.

* J.A.M.A. 113: 757 (Aug. 26) 1939. For the duration of the war, students may be eligible for admission who present collegiate credits of two academic years (four semesters or six trimesters), including English, theoretical and practical courses in physics, biology, general and organic chemistry, completed in approved institutions.

The selection of students is based upon the quality rather than the quantity of preparation and upon demonstrated evidence of personal attributes of intelligence, character, and general fitness for the study and practice of medicine. In considering an applicant many sources of information may be consulted, including (1) his curricular and extracurricular college record, (2) carefully prepared, confidential appraisals by teachers who know him personally, (3) his percentile rating on the Medical Aptitude Test,** and (4) the results of an interview with members of the Admission Committee or one of its Regional Representatives.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

After the completion of six quarters in the Duke University School of Medicine, Duke University, on the recommendation of the Executive Committee, grants the degree of Bachelor of Science in Medicine to medical students who have completed creditable investigative work, prepared an acceptable report of the investigation, and passed an examination upon the subject of the investigation before an advisory committee. Students who elect to undertake work toward this degree must obtain written permission from the Executive Committee after approval of their program by the head of the department in which the work is to be done. No credit toward this degree is given for additional college work. All students in good standing are encouraged to undertake such investigative work as they may elect with the approval of the head of the department in which they wish to work. All requirements must be completed prior to April 15 of the year in which the B.S. degree is requested.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF MEDICINE

The degree of Doctor of Medicine is conferred on those who have completed, to the satisfaction of the Executive Committee, the twelve quarters of the curriculum of the School of Medicine, the preclinical and clinical examinations, and have signed an agreement that they will spend at least two of the succeeding three years in hospital or laboratory work acceptable to the Executive Committee. As a guarantee of this pledge, the diploma is deposited in the Treasurer's Office until after the completion of this training. Failure to fulfill this agreement constitutes a waiver of any claim to possession of the diploma and the degree of Doctor of Medicine. One year of active duty with the Army or Navy Medical Corps will be accepted for the second year of the required two years of internship.

** This test is given at many of the colleges during the Autumn term. If information is not available locally, it may be secured from Dr. F. A. Moss, Columbia Medical Building, Washington, D. C.

DEPARTMENTS OF INSTRUCTION

Anatomy

F. H. SWETT, *Professor of Anatomy.*

D. C. HETHERINGTON, *Associate Professor of Anatomy in Charge of Histology and Neurology.*

W. H. HOLLINSHEAD, *Assistant Professor of Anatomy.*

J. W. EVERETT, *Assistant Professor of Anatomy.*

K. A. YOUNGSTROM, *Associate in Anatomy.*

T. L. PEELE, *Associate in Anatomy.*

G. J. BAYLIN, *Instructor in Anatomy and in Radiology.*

K. L. DUKE, *Instructor in Anatomy.*

JANE STANLEY CRAIG, *Research Assistant.*

Five days per week during the Autumn Quarter and two days per week during the Winter Quarter are scheduled for the *required* courses of instruction in gross human anatomy, histology, and neurology. In all of this work considerable freedom is allowed the student in his selection of working hours and in the planning of his own methods of attack. Emphasis is placed upon the study of material in the laboratory, supplemented by a few lectures and by frequent small-group conferences upon any phases of the work then current. All of the instruction is designed to be as informal and as nearly individual as possible. General principles and the functional viewpoint of living anatomy are stressed in the hope that the student may be stimulated to secure a working knowledge of anatomy in the broadest sense. Whenever possible, fresh tissues and living cells are made available for examination, and clinical cases exemplifying anatomical principles are studied whenever they are available at appropriate times. Through the co-operation of the Department of Radiology, the students are given an opportunity to study portions of the living human body as revealed by the fluoroscope and roentgenograph.

Demonstrations in Anatomy. Using dissections already prepared, weekly demonstrations of selected regions or systems are made by the members of the group. Sixth quarter—Two hours per week by arrangement. Second-year students in groups of 10.

Special Neuroanatomy. Laboratory work and conferences upon selected portions of the human central nervous system. A two-quarter course limited to 6 junior or senior students. Tuesday and Thursday mornings the first quarter (Autumn 1942, Summer 1943) devoted to study of sections and dissections of the brain stem. Satisfactory completion of the first quarter will determine admission to the second quarter seminars—2 hours weekly by arrangement—upon special topics in neuroanatomy and neurophysiology.

Brain Modeling. Free-hand reconstruction in clay, from gross and sectioned material, of the chief tracts and nuclei of the human brain stem. A two-quarter course, by arrangement—4 to 10 students.

Experimental Neurology. An operative and laboratory study of the effect of various lesions upon the central and peripheral portions of the

nervous system. Four to 8 junior and senior students by arrangement. Prerequisite—operative surgery.

Seminar. This work is designed for those who are interested in becoming acquainted with some of the original literature on anatomical problems. A wide range of choice in the selection of topics is encouraged. Weekly, any quarter; time by arrangement. 6 to 10 students.

Advanced Studies in Anatomy. Further work in the several branches of anatomy may be arranged at any time. Prospective candidates for such work should discuss their wants with the members of the Staff in charge of the particular field in which work is requested, since only a small number can be accommodated at any one time. A few properly qualified students may be permitted to undertake original research under the direction of various members of the Staff.

Biochemistry

- W. A. PERLZWEIG, *Professor of Biochemistry.*
 H. M. TAYLOR, *Associate Professor of Biochemistry and Toxicology.*
 MARY L. C. BERNHEIM, *Assistant Professor of Biochemistry.*
 HANS NEURATH, *Assistant Professor of Biochemistry.*
 T. B. COOLIDGE, *Assistant Professor of Biochemistry.*
 E. C. RANDELL, *Assistant Resident in Biochemistry.*
 H. KAMIN, *Assistant in Biochemistry.*
 J. O. ERICKSON, *Assistant in Biochemistry.*
 J. W. HUFF, *Nutrition Foundation Fellow in Biochemistry.*
 H. P. SARRETT, *Instructor in Biochemistry.*
 F. W. PUTNAM, *Research Fellow in Biochemistry.*
 E. VOLLKIN, *Fellow in Biochemistry.*

The *required* course in general biochemistry for first-year students is given in the first and second quarters. One morning each week in the first quarter is devoted, in discussion groups, to the correlation of the fundamental facts and theories of physical and organic chemistry with the chemistry of living organisms. In the second quarter three lectures and four laboratory periods per week, supplemented by systematic reading and weekly conferences in small groups, are devoted to a more intensive study of the chemistry of the physiological processes of digestion and absorption, circulation and respiration, acid-base and salt equilibrium, and metabolism, including quantitative urine and blood analyses.

Since the success of the students in this course is largely determined by the adequacy and ready availability of their premedical training, it is urged that all students review the fundamental laws, theories, and facts of chemistry before the beginning of the course. A circular outlining the topics requiring special attention is sent to all students upon admission. Additional copies of the circular may be obtained from the Dean's Office. An examination to test the state of preparation of the student is given in the beginning of the course in biochemistry.

Electives. In connection with the course given in the sixth quarter for second-year students a survey of pathological and clinical chemistry is presented. In this course are covered abnormalities of: protein, fat and carbohydrate metabolism, acid-base regulation, salt and water distribution, nitrogen retention, calcium and phosphorus metabolism, blood and derived bile pigments. The discussion of these topics is based upon

case histories, including the records of the Clinical Chemical Laboratory of the Hospital.

Biochemical Research. The facilities of the department, including various types of research equipment and the clinical material of the blood chemistry laboratory, are available to properly qualified students for independent or supervised investigations. Chemical investigations of problems in biochemistry or in conjunction with the clinical departments and the Department of Pathology may be carried on.

Seminar in Toxicology. A round-table discussion of the homicidal, suicidal and industrial poisons, alcoholism, etc., by arrangement.

Laboratory Detection of Common Poisons. A laboratory course in the properties, detection, and identification of the common poisons. Consideration is given to the types of material to be examined, legal precautions to be taken and interpretation of the findings, by arrangement.

Chemistry of Proteins, Enzymes, and Viruses. A two-hour seminar is given weekly throughout the Autumn, Winter, and Spring Quarters.

Immunochemistry. A two-hour seminar given in collaboration with the Department of Bacteriology. This course is given in alternate years with the preceding course in protein chemistry.

Physiology, Pharmacology, and Nutrition

G. S. EADIE, *Professor of Physiology and Pharmacology.*

F. D. MCCREA, *Associate Professor of Physiology and Pharmacology.*

FREDERICK BERNHEIM, *Associate Professor of Physiology and Pharmacology.*

W. J. DANN, *Associate Professor of Physiology and Nutrition.*

H. I. KOHN, *Assistant Professor of Physiology and Pharmacology.*

HANS LÖWENBACH, *Assistant Professor of Neuropsychiatry and Physiology.*

MACDONALD DICK, *Associate in Medicine, Physiology, and Pharmacology.*

J. P. HENDRIX, *Associate in Medicine.*

PHILIP HANDLER, *Associate in Physiology and Nutrition.*

The elements of physiology, pharmacology, and nutrition are taught in the laboratory and in frequent conferences.

Elective courses covering particular aspects of these subjects, including pathological physiology and research in special fields, are available.

Research. A few properly qualified students are permitted to undertake original research in physiology, pharmacology, or nutrition under the direction of various members of the Staff.

Pathology

W. D. FORBUS, *Professor of Pathology.*

D. H. SERUNT, *Associate Professor of Pathology.*

R. D. BAKER, *Associate Professor of Pathology.*

†C. C. ERICKSON, *Associate in Pathology.*

GEORGE MARGOLIS, *Assistant in Pathology.*

G. C. WALKER, *Instructor in Pathology.*

GRACE P. KERBY, *Instructor in Pathology.*

K. O. BABCOCK, *Assistant in Pathology.*

†I. W. BROWN, JR., *Assistant in Pathology.*

I. N. DUBIN, *Assistant in Pathology.*

J. R. KERNODLE, *Assistant in Pathology.*

The *required* course in general pathology for second-year students is given in the fourth and fifth quarters. The class is divided into small

† On active duty; U. S. Army.

groups, one instructor and an assistant being assigned to each group. For the purpose of teaching the gross pathological alterations of tissue, the museum material, which consists of complete cases preserved as units, has been classified into well-organized groups, such as obstructions, diseases due to animal parasites, tumors, etc., each group of materials being placed in a separate laboratory. The various student groups work with these groups of material in rotation. The microscopic aspects of pathological processes are studied by the students at the same time the gross pathological features of the disease are being considered. Physiological, chemical, and bacteriological phases of the various disease processes are presented to the student by constant reference to the autopsy protocols and clinical studies of the cases which are being considered by the groups. Lectures on general subjects of wide application are given in co-ordination with the museum case studies. Attendance at autopsies is required of the students of the second year, the class being divided into small groups which are called in turn. The group members are required to follow all studies of the cases which they see and to prepare their own complete records. Cases thus prepared are presented by the students before the entire class under the direction of the Staff.

Elective courses in pathology are available for a limited number of students who have completed the course in general pathology. Research facilities are provided in the department for students who are competent to undertake investigation.

On Fridays at 5 P.M., during the fourth, fifth, and sixth quarters, a clinical-pathological conference is held in co-operation with the staffs of the clinical departments. While this conference is designed especially for the Hospital Staff, it is open to all members of the medical profession, and attendance of second-year, junior, and senior students is expected. A gross diagnostic clinical-pathological conference on current autopsies is held weekly in collaboration with the medical department. Attendance of the students of the third and fourth years is required at this conference.

Bacteriology and Parasitology

D. T. SMITH, *Professor of Bacteriology and Associate Professor of Medicine.*
A. S. PEARSE, *Professor of Zoology.*

H. W. BROWN, *Professor of Preventive Medicine and Public Health.*

D. S. MARTIN, *Associate Professor of Bacteriology and Associate in Medicine.*

N. F. CONANT, *Assistant Professor of Bacteriology and Mycology.*

MARY A. POSTON, *Instructor in Bacteriology.*

E. E. MENEFFEE, JR., *Instructor in Medicine and Bacteriology.*

N. BOWMAN WISE, *James A. Greene Research Fellow in Medicine and Bacteriology.*

H. W. CRAIG, *Assistant in Bacteriology.*

Bacteriology, Mycology, Immunology, and Parasitology. The required course is given in the fourth quarter. An intensive study is made of the common bacteria, fungi, and parasites which cause disease in man. The scope of the laboratory course is reasonably wide and acquaints the student with all the methods and procedures employed in bacteriological laboratories. Most of the lecture time is devoted to the immunological and epidemiological aspects of infection. The instruction is designed to give the students a clear conception of: (1) how organisms gain entrance to

the body, (2) the type of poisons which they produce, (3) the nature of immune bodies which are produced by the host, and (4) the methods of preventing the disease by active and passive immunization.

Research Bacteriology. Opportunities for original investigations are afforded a few specially qualified students.

Clinical Bacteriology. During their clinical clerkships on medicine (one quarter each for junior and senior classes), the students may perform the routine and special bacteriological work for the patients assigned to them on the teaching service, under the direction of the Department of Bacteriology and in parallel with the Biological Division of the medical clinic.

Medicine

FREDERIC M. HANES, *Florence McAlister Professor of Medicine.*

D. T. SMITH, *Professor of Bacteriology and Associate Professor of Medicine.*

J. M. RUFFIN, *Associate Professor of Medicine in Charge of Physical Diagnosis.*

O. C. E. HANSEN-PRÜSS, *Associate Professor of Medicine in Charge of Clinical Microscopy.*

CHRISTOPHER JOHNSTON, *Assistant Professor of Medicine.*

W. M. NICHOLSON, *Assistant Professor of Medicine.*

E. S. ORGAIN, *Assistant Professor of Medicine.*

†E. L. PERSONS, *Assistant Professor of Medicine.*

D. S. MARTIN, *Associate Professor of Bacteriology and Associate in Medicine.*

WALTER KEMPNER, *Assistant Professor of Medicine.*

†E. B. CRAVEN, JR., *Associate in Medicine.*

MACDONALD DICK, *Associate in Medicine, Physiology, and Pharmacology.*

I. P. HENDRIX, *Associate in Medicine.*

SUSAN G. SMITH, *Associate in Medicine.*

N. BOWMAN WISE, *Associate and James A. Greene Research Fellow in Medicine.*

A. DERWIN COOPER, *Instructor in Medicine.*

*H. J. FOX, *Instructor in Medicine.*

†S. C. HALL, *Instructor in Medicine.*

†T. T. JONES, *Instructor in Medicine.*

†H. H. MANNING, JR., *Instructor in Medicine.*

E. E. MENEFFEE, JR., *Instructor in Medicine and Bacteriology.*

CLOTILDE SCHLAYER, *Research Assistant.*

†WILLIAM SCHULZE, *Instructor in Medicine.*

†O. N. SMITH, *Instructor in Medicine.*

P. W. SMITH, *Assistant in Clinical Microscopy.*

†J. B. STEVENS, *Instructor in Medicine.*

R. W. GRAVES, *Assistant Professor of Neurology.*

†R. L. CRAIG, *Instructor in Neurology.*

J. L. CALLAWAY, *Assistant Professor of Medicine in Charge of Dermatology and Syphilology.*

I. T. REAMER, *Instructor in Pharmacy.*

DAVID CAYER, *Instructor in Medicine.*

KENNETH WEEKS, *Assistant in Medicine.*

F. P. BENBOW, JR., *Assistant in Medicine.*

E. G. GOODMAN, *Assistant in Medicine.*

†I. S. HIATT, *Assistant in Medicine.*

†R. C. LINTCOME, *Assistant on Private Medical Service.*

†G. C. NEWMAN, *Assistant in Medicine.*

LESTER MARGOLIS, *Instructor in Neurology.*

I. A. MERIA, *Rockefeller Foundation Fellow in Medicine.*

R. O. NOOTIN, *Instructor in Dermatology and Syphilology.*

R. W. McDOWELL, *Instructor in Syphilology.*

* On active duty; U. S. Navy.

† On active duty; U. S. Army.

Clinical Microscopy is given in the fifth quarter. The course includes the essentials of hematology and the examination of fresh material, such as urine, stools, spinal fluid, sputum, transudates, and exudates. The most important parasites of man are studied by the use of fresh and museum material. Second-year and senior students are given opportunities for special work and for investigation.

Physical Diagnosis and Introduction to Clinical Medicine. This course, in the sixth quarter, consists of instruction in history taking, physical examination, and the application of the preclinical sciences to the interpretation of findings. All departments, preclinical and clinical, including the specialties, participate. The importance of co-operation between clinic and laboratory is emphasized, and the preclinical departments extend the teaching of their particular branches in correlation with other preclinical and clinical studies. In this manner the course serves as an introduction to clinical medicine. The class is divided into sections of not more than ten students, and each student is given individual instruction.

Junior Medicine. Junior students are assigned in small groups for one quarter to the medical wards as clinical clerks. Teaching rounds are held from 8:30 to 9:30 A.M., on Mondays, Wednesdays, and Fridays. Medical clinics are given on Mondays, Wednesdays, and Saturdays at 11:30 A.M.

Therapeutics. Each group of junior students receives practical instruction in *pharmaceutics* under the guidance of an instructor in pharmacy. On Tuesdays and Thursdays from 1:30 to 2:30 P.M. bedside instruction is given in *applied pharmacology and therapeutics* to the group on Junior Medicine.

Senior Medicine. Senior students are assigned for one quarter to the Dispensary as clinical clerks. Teaching rounds are held from 9:30 to 11:30 A.M. on Mondays and Fridays. Seniors attend medical clinics on Mondays, Wednesdays, and Saturdays at 11:30 A.M.

Cutaneous Medicine and Syphilology. Instruction consisting of lectures, seminars, and study and treatment of patients in the out-patient clinic is offered each quarter to senior students.

Neurological Medicine. A sound understanding of neurological diseases is an essential equipment of every physician. Junior students are assigned neurological cases routinely during their service as medical clinical clerks. An elective course consisting of advanced bedside teaching in clinical neurology is offered for three quarters to senior students. The Laboratory of Experimental Neurology is available for postgraduate investigative work; this laboratory handles routinely the neurosurgical biopsy material, including intracranial tumors. An electro-encephalograph is in routine clinical use in both neurology and neuropsychiatry and is available for special research problems.

Neuropsychiatry

R. S. LYMAN, *Professor of Neuropsychiatry.*

R. S. CARROLL, *Lecturer in Neuropsychiatry.*

I. MATTE BLANCO, *Lecturer in Psychiatry.*

H. E. JENSEN, *Professor of Sociology and Mental Hygiene.*

*R. S. CRISPELL, *Associate Professor of Neuropsychiatry.*

†LEO ALEXANDER, *Associate Professor of Neuropsychiatry.*
 HERMAN DEJOHNG, *Associate Professor of Neuropsychiatry.*
 E. T. THOMPSON, *Associate Professor of Sociology and Mental Hygiene.*
 D. K. ADAMS, *Associate Professor of Psychology.*
 HANS LÖWENBACH, *Assistant Professor of Neuropsychiatry and Physiology.*
 †R. B. SUITT, *Associate in Neuropsychiatry.*
 M. H. GREENHILL, *Associate in Neuropsychiatry.*
 OTTO BILLIG, *Instructor in Neuropsychiatry.*
 †D. J. SULLIVAN, *Instructor in Neuropsychiatry.*
 †R. L. GARRARD, *Instructor in Neuropsychiatry.*
 R. C. CARROLL, *Instructor in Neuropsychiatry.*
 F. H. HESSER, *Instructor in Neuropsychiatry.*
 C. F. WALKER, *Instructor in Neuropsychiatry.*
 I. S. ROSS, *Assistant in Neuropsychiatry.*
 L. C. JOHNSON, *Sociologist.*

Instruction is started in the second year with a course that covers psychobiology. This course is concerned with the modern conception of personality; its neurophysiological bases; the growth, development, and traits of the individual, normal and abnormal. The students are trained in neuropsychiatric method and examination, and they write a life history, applying those methods to themselves. The problems of intelligence, intelligence testing, and mental deficiency are discussed. Instruction in neuropsychiatry for junior and senior students is continued by weekly lecture-clinics during the Autumn, Winter, and Spring Quarters. The didactic work in neuropsychiatry is supplemented by clinics and by the student's actual experience in handling such psychiatric problems as occur on the psychiatric ward, and seniors are assigned to the out-patient clinic. In addition, clinics are held in the North Carolina State Hospital, Raleigh, N. C. Elective work is offered to students who are especially interested. Before graduation it is sought to give the student a workable conception of the individual as a whole, the psychobiological unit, that may be applied in practice.

Surgery

DERYL HART, *Professor of Surgery.*
 †C. E. GARDNER, JR., *Associate Professor of Surgery.*
 J. W. BEARD, *Associate Professor of Surgery in Charge of Experimental Surgery.*
 BARNES WOODHALL, *Assistant Professor of Surgery in Charge of Neurosurgery.*
 H. M. SCHIEBEL, *Instructor in Surgery.*
 †S. E. UPCHURCH, *Instructor in Surgery.*
 G. R. COOPER, *Research Associate in Experimental Surgery.*
 D. G. SHARP, *Research Associate in Experimental Surgery.*
 A. R. TAYLOR, *Research Associate in Surgery.*
 DOROTHY W. BEARD, *Research Assistant in Experimental Surgery.*
 W. B. ANDERSON, *Associate Professor of Surgery in Charge of Ophthalmology.*
 W. W. EAGLE, *Associate Professor of Surgery in Charge of Otolaryngology.*
 †R. A. ARNOLD, *Instructor in Otolaryngology and Ophthalmology.*
 G. B. FERGUSON, *Instructor in Bronchoscopy.*
 L. D. BAKER, *Assistant Professor of Surgery in Charge of Orthopaedics.*
 R. B. RANEY, *Associate in Orthopaedics.*
 E. P. ALYEA, *Clinical Professor of Urology.*
 KEITH S. GRIMSON, *Associate in Surgery.*
 J. E. DEES, *Associate in Urology.*

* On active duty; U. S. Navy.

† On active duty; U. S. Army.

†L. C. ROBERTS, *Instructor in Urology.*
 T. W. ATWOOD, *Associate in Dentistry.*
 †N. F. ROSS, *Instructor in Dentistry.*
 †L. M. EDWARDS, JR., *Assistant in Dentistry.*
 †W. C. SEALY, *Instructor in Surgery.*
 D. L. LOVELL, *Instructor in Surgery.*
 †W. F. HOLLISTER, *Assistant in Surgery.*
 †H. B. KERNODLE, *Assistant in Surgery.*
 DAVID A. WILSON, *Assistant in Surgery.*
 ROBERT S. NEILL, *Assistant in Surgery.*
 FRANCIS NICHOLSON, *Assistant in Surgery.*
 H. H. KUHN, *Assistant in Surgery.*
 †P. W. SCHANHER, JR., *Assistant in Surgery.*
 J. C. TRENT, *Assistant in Surgery.*
 W. L. WELLS, *Assistant in Surgery.*
 †E. H. THORNHILL, *Instructor in Otolaryngology and Ophthalmology.*
 J. W. SACHS, *Instructor in Otolaryngology and Ophthalmology.*
 T. G. SCHNOOR, *Assistant in Otolaryngology and Ophthalmology.*
 A. F. HENDERSON, *Instructor in Urology.*
 G. G. GILBERT, *Assistant in Urology.*
 A. A. PARRISH, *Assistant in Urology.*

General Surgery. In the sixth quarter the second-year students, during their course in physical diagnosis, attend clinics and demonstrations arranged to familiarize them with the techniques of examinations and the diagnostic procedures used in general surgery and the surgical specialties. Emphasis is placed on the more practical and commonly used methods.

During the last six quarters at 11:30 A.M. on Tuesdays and Fridays and at 9:30 A.M. on Saturdays, clinics in surgery and the surgical specialties are held for junior and senior students. The *junior* students, during their surgical quarter, attend ward rounds in surgery from 8:30 to 10:30 A.M. on Mondays, Wednesdays, and Fridays, act as clinical clerks on the wards, avail themselves of the electives offered, and attend the regular clinics. The surgical group in the *senior* year attends ward rounds from 8:30 to 10:30 A.M. on Mondays, Wednesdays, and Fridays, the regular clinics and the electives offered, and assists in the surgical dispensary in the afternoon. Individuals may take any of the electives offered.

A course in operative surgery is given in the experimental laboratory from 8:30 to 11:30 A.M. on Tuesdays and Thursdays during the quarters necessary to make it available for all students. The group is divided into operating teams, and each student takes his turn serving as the operator, first assistant, and anesthetist. Special work in experimental surgery may be arranged by conference with the instructor. The purpose of this course is to teach the basic principles of aseptic surgery, anesthesia, and the technique of operations illustrating various types of surgery, the operative procedures being of gradually increasing difficulty.

A course in emergency and traumatic surgery is given during the senior surgical quarter. In groups of two, students are assigned to the emergency room for all accidents and emergencies. Opportunity is given to observe and assist in the treatment of accident cases and in the diagnosis and treatment of all emergencies. Lectures are given as indicated. In addition to scrubbing on the emergency cases which they see,

† On active duty; U. S. Army.

these students, in groups of two, are also assigned to the operating room for additional practical experience in surgical technique.

An *elective* course in anesthesia is open to four properly qualified senior students each quarter. Students meet the anesthetist each morning in the operating room and observe and administer anesthetics under supervision.

Otolaryngological Division. An introductory course of instruction in the use of otolaryngological instruments, with a review of normal anatomy, is given to second-year students in the sixth quarter. Clinics on Fridays at 11:30 A.M. during the sixth quarter are given to junior and senior students; junior students during their obstetric quarter spend two afternoons for five and one-half weeks in the otolaryngological dispensary. There are no formal otolaryngological ward rounds, but junior and senior students are assigned to patients during the surgical quarter. Individual instruction is given the student by the various members of the Staff. Each quarter an elective course in ear, nose, and throat is given. This course includes anatomy; physiology; diseases of ear, nose, and throat; x-ray interpretation; and the use of diagnostic instruments.

Ophthalmological Division. During the sixth quarter second-year students receive instruction in elementary ophthalmology. During the senior pediatric quarter the students work in the ophthalmological clinic as assigned, and assist in the study and treatment of eye diseases. Especial emphasis is placed on the underlying medical and surgical conditions. Each student follows throughout his time in the clinic all patients assigned to him. For those who manifest an unusual interest in this specialty, provision will be made for more advanced work. Each quarter an elective is given one hour a week, which includes anatomy, physiology, refraction, muscle imbalance, neuro-ophthalmology, ocular pathology, and the use of diagnostic instruments.

Orthopaedic Division. In the sixth quarter an introductory course is given. During the surgical quarters the junior and senior students attend ward rounds at 9:30 A.M. on Mondays and Fridays. Clinics are held one quarter each nine months on Friday at 11:30 A.M. for juniors and seniors. Students in their senior surgical quarter are assigned in rotation to the orthopaedic dispensary which is held each afternoon from Monday to Friday inclusive. An *elective course* in the treatment of fractures is offered during the junior and senior surgical quarters on Friday morning from 9:30 to 11:30. In this course the students get practical training in the application of plaster of Paris casts and in the follow-up treatment of fractures. Elective courses in orthopaedic pathology, roentgenology, and physiotherapy are offered to junior and senior students. Arrangements may be made for students who wish to do research or experimental work. At 813 Fifth Street, the orthopaedic division conducts a special clinic for the treatment of cerebral palsy. The clinic has a bed capacity of twelve and is staffed with a specially trained physiotherapist, a school-teacher, and an administrative officer. Interested students are welcomed at any time. Students are given the opportunity of attending the North Carolina Orthopaedic Hospital Clinic at Goldsboro the third Thursday of

each month. They may also attend similar clinics held in Lumberton the first Friday of each month, in Elizabeth City the last Tuesday of each month, and in Tarboro the Monday before the last Tuesday of each month.

Urologic Division. In the sixth quarter, second-year students are given a course of lectures and practical demonstrations in urologic physical diagnosis in the normal individual student. Ward rounds on urologic patients are given every Saturday at 8:30 A.M., throughout the year, which junior students in their surgical quarter, and the senior surgical group are required to attend. During each quarter, small groups are selected from the senior surgical group of students and assigned in rotation to the urologic dispensary every afternoon. Here, under proper supervision, they study patients and give recommended treatment. During one and a third quarters of the year urologic clinics are given on Fridays at 11:30 A.M. for the junior and senior classes. These clinics deal with the affections of the male and female urinary tract and of the male genital tract. Clinics for urethroscopic and cystoscopic investigation and for the more technical methods of urologic diagnosis and treatment are held Monday, Wednesday, and Thursday from 1:30 to 5:00 P.M. and Tuesdays and Thursdays from 9:30 A.M. to 12:30 P.M., throughout the year. X-ray conferences on all urologic cases are held Tuesday, Thursday, and Saturday mornings from 8:30 to 9:30 and are followed by Staff rounds. Three senior students may select one of these cystoscopic clinics, x-ray conferences, and Staff rounds as an elective. *The Urologic Journal Club* meets each Monday from 4:30 to 6:30 P.M., and members of the Staff review their respectively assigned journals. Interested students are welcomed.

Neurosurgical Division. Throughout the year at 11:30 A.M., on every third Tuesday, neurosurgical clinics are held for junior and senior students, at which the general principles of neurosurgical diagnosis and treatment are discussed. During all four quarters, weekly ward rounds are held at 8:30 A.M. on Wednesdays for the senior surgical group. Emphasis in these smaller clinics is placed upon the recognition of neurosurgical problems, followed by observation of the operative and post-operative procedures. Weekly x-ray and pathological conferences are held, and these may be attended by interested individuals.

The Tumor Clinic of the Duke Hospital is organized for the study and student teaching of malignant disease. It is staffed by a surgeon, radiologist, and pathologist, who attend all clinics; and consultants in the various specialties are called when a patient with a malignant tumor in their field is registered in the clinic. Students in their senior surgical quarter see all cases registered in the clinic and work them up and have available for teaching not only the clinical background of the Staff but also pathological sections of tumors under the study of the pathologists.

Dentistry. Second-year students, in the sixth quarter, are instructed in the principles of dentistry.

Radiology

- R. J. REEVES, *Clinical Professor of Radiology.*
 G. J. BAYLIN, *Instructor in Radiology and Anatomy.*
 J. E. HEMPHILL, *Assistant in Radiology.*
 P. H. DUCHARME, *Assistant in Radiology.*
 C. L. GRAY, *Instructor in Radiology.*

The required course in roentgenology for the fourth-year students is given to a section, one hour per week, each quarter. There is general discussion on roentgen differential diagnosis. X-ray and radium therapy cases are presented each week, and problems of treatment and follow-up are discussed. The correlation of surgery and radiology is stressed.

Elective courses in x-ray interpretation and differential diagnosis are offered for junior and senior students, in limited numbers, on Tuesday and Thursday throughout the four quarters, from 9:30 to 10:30 A.M. The correlation of general medicine and x-ray and the value of x-ray in clinical diagnosis are stressed. A pediatric x-ray conference is held on Friday mornings from 11:00 to 12:00 throughout the year, in the Pediatric Conference room. The pediatric resident presents all cases who have had x-rays during the week. A surgical house staff conference is held each alternate Tuesday night from 7:30 to 8:30, and a similar conference with the medical house staff on the alternate Wednesday nights from 8:00 to 9:00. All cases with interesting x-rays are discussed.

Obstetrics and Gynecology

- BAYARD CARTER, *Professor of Obstetrics and Gynecology.*
 E. C. HAMBLÉN, *Associate Professor of Obstetrics, Gynecology, and Endocrinology.*
 *R. A. ROSS, *Associate Professor of Obstetrics and Gynecology.*
 †W. L. THOMAS, JR., *Assistant Professor of Obstetrics and Gynecology.*
 M. PIERCE RUCKER, *Lecturer in Obstetrics and Gynecology.*
 A. W. MAKEPIECE, *Associate in Obstetrics and Gynecology.*
 E. B. EASLEY, *Associate in Obstetrics and Gynecology.*
 †T. F. ADKINS, *Instructor in Obstetrics and Gynecology.*
 W. A. GRAHAM, *Instructor in Obstetrics and Gynecology.*
 *R. L. PEARSE, *Instructor in Obstetrics and Gynecology.*
 R. N. CREADICK, *Instructor in Obstetrics and Gynecology.*
 R. L. ALTER, *Assistant in Obstetrics and Gynecology.*
 G. S. EDGERTON, *Assistant in Obstetrics and Gynecology.*
 P. E. SIMPSON, *Assistant in Obstetrics and Gynecology.*
 S. W. SMITH, *Assistant in Obstetrics and Gynecology.*
 I. M. WILSON, *Assistant in Obstetrics and Gynecology.*
 CLARENCE D. DAVIS, *Instructor in Endocrine Division, Obstetrics and Gynecology.*
 W. K. CUYLER, *Research Instructor, Endocrine Division, Obstetrics and Gynecology.*
 C. P. JONES, *Bacteriologist in Obstetrics and Gynecology.*

Second-year students receive seventeen hours of instruction in the fundamentals of obstetrics and gynecology during their course in physical diagnosis in the sixth quarter. Clinics and demonstrations for junior and senior students are held on Saturdays at 10:30 A.M. during the Autumn, Winter, and Spring Quarters and on Mondays at 11:30 A.M. in the Summer Quarters. During one quarter of the *junior* year each group

* On active duty; U. S. Navy.

† On active duty; U. S. Army.

of students attends ward rounds at 8:30 A.M. on Mondays, Wednesdays, and Saturdays, and the Public Dispensary at 1:30 P.M. three times weekly, for eleven weeks. They also attend an endocrine clinic once a week for eleven weeks during the junior year. The students also spend part of each day on the wards. *Senior* students, during their surgical quarter, have ward rounds on obstetrics and gynecology on Saturdays at 8:30 A.M. Each *senior* student, during his senior surgical quarter, is required to spend two weeks on service with the Outside Obstetrics Training Group at Charlotte, N. C. This group is active in the antepartum care, in the delivery of the patients, and in the postpartum care of patients registered by the Maternity Clinic of that city. The group is under the direction of a trained obstetrician.

Elective courses in the diagnosis and treatment of obstetric and gynecological conditions are offered for junior and senior students.

Pediatrics

W. C. DAVISON, *Professor of Pediatrics.*

J. M. ARENA, *Assistant Professor of Pediatrics.*

†J. S. HARRIS, *Assistant Professor of Pediatrics and Biochemistry.*

ANGUS MCBRYDE, *Assistant Professor of Pediatrics.*

†R. K. ANDERSON, *Associate in Pediatrics.*

A. H. LONDON, JR., *Associate in Pediatrics.*

S. C. DEES, *Instructor in Pediatrics.*

A. T. S. DAVISON, *Assistant in Pediatrics.*

R. B. TUDOR, *Assistant in Pediatrics.*

M. L. GOETSCH, *Assistant in Pediatrics.*

MILDRED M. SHERWOOD, *Supervisor in Pediatric Nursing.*

LOLA E. PAGE, *Supervisor of Premature Nursery.*

Each *second-year* student receives nine hours of instruction in elementary pediatrics during the course in physical diagnosis in the sixth quarter. *Junior* and *senior* students, during their medical quarters, have pediatric ward rounds on Saturdays, from 8:30 to 9:30 A.M. The *senior* students are divided into three groups, each of which spends one quarter in pediatrics. During this quarter they are assigned daily as clinical clerks on the children's ward, nursery and pediatric dispensary; attend ward rounds at 8:30 A.M. on Mondays, Wednesdays, and Fridays; are instructed in the practical nursing of infants by Miss Sherwood on Mondays at 9:30 A.M.; and are taught the preparation of diets for infants and children by the Professor of Dietetics. Each student attends infant feeding clinics on Fridays during this quarter. On Thursdays at 11:30 A.M., the junior and senior students attend demonstrations at which the pre-clinical basis, as well as the clinical aspects, of disease are emphasized. *Elective courses:* *senior* students may assist in the treatment of pediatric patients in the syphilis clinic on Thursdays at 9:00 A.M., do research work, or assist in the pediatric ward or dispensary one or more mornings per week, according to the time at their disposal.

Legal Medicine and Toxicology

J. B. BRADWAY, *Professor of Law.*

T. D. BRYSON, *Professor of Law.*

W. D. FORBUS, *Professor of Pathology.*

† On active duty; U. S. Army.

D. T. SMITH, *Professor of Bacteriology and Associate Professor of Medicine.*
H. M. TAYLOR, *Associate Professor of Biochemistry and Toxicology.*

This course embraces a discussion of the relation of physicians to legal criminal procedures, jurisdiction of the coroner and medical examiner, laws governing the dead human body, personal identity of the living and the dead, the medicolegal autopsy, traumatic injuries and fractures, rape, abortion, asphyxial death, homicidal, suicidal, and industrial poisoning, alcoholism, the examination of blood, stains, fibers, and the detection of malingering. The course is open to junior and senior students, and is given in alternate years. Discussions of medicolegal problems for the house staff and senior students, and joint conferences of the medical and law students also are held.

Preventive Medicine and Public Health

H. W. BROWN, *Professor of Preventive Medicine and Public Health.*
M. J. ROSENAU, *Lecturer in Preventive Medicine and Public Health.*
†J. W. R. NORTON, *Lecturer in Preventive Medicine and Public Health.*
D. F. MILAM, *Associate in Preventive Medicine and Public Health.*
J. H. EPPERSON, *Instructor in Preventive Medicine and Public Health.*
W. P. RICHARDSON, *Instructor in Preventive Medicine and Public Health.*
W. L. FLEMING, *Lecturer on Preventive Medicine and Public Health.*
J. J. WRIGHT, *Lecturer in Preventive Medicine and Public Health.*

Public Health and Hygiene. A lecture course is given in the second year to acquaint the students with general environmental sanitation including sewage disposal, water supplies, milk and food for rural and urban communities. Vital statistics, public health regulations, and various official public health organizations also are discussed. Exercises in the epidemiology of several diseases are introduced to give the student a broad view of disease and its prevention. *Field Demonstrations.* Visits for observation and instruction are made to state, county, and city health departments, infant and school hygiene clinics, dairies, public water supplies, sewage disposal plants, and industrial establishments. Seminars are held in which the students discuss the various problems encountered in their field experience. *Preventive Medicine.* A series of lectures and exercises is given during the senior year to provide students with the preventive point of view in the practice of medicine. The problems of infant and maternal hygiene, occupational diseases, the deficiency states, and the etiology, transmission, epidemiology and prevention of communicable diseases are considered. Emphasis is placed upon the relationship of the private practitioner of medicine to the public health program. *A Laboratory Course* given in the fourth quarter by the Department of Bacteriology consists of the identification and virulence testing of diphtheria cultures; the isolation of stool, throat, and blood organisms; the practical examination of water; Schick, Dick, and tuberculin tests; and vaccination against typhoid-paratyphoid fever and smallpox. *Elective:* Through the co-operation of several city and county health officers, students may spend one or more weeks in observing and assisting in the operation of these public health units. Senior students may elect one month's Fellowship in Public Health in Michigan offered by the Kellogg Foundation, if they

† On active duty; U. S. Army.

have permission from the head of the department of the quarter concerned and make up the time afterward.

CURRICULUM OF THE SCHOOL OF MEDICINE

The usual four medical school years of thirty-three weeks each have been accelerated, during the war, into three calendar years of forty-four weeks each.

Every effort is made to emphasize the close relationship of preclinical and clinical instruction. Members of the Clinical Staff assist in the teaching of preclinical subjects, and demonstrate to the students of the first two years, patients whose conditions illustrate the subjects being taught. Thus, from the student's first days, he is impressed with the interdependence of all branches of the medical science. In the junior and senior years, preclinical instructors assist the Clinical Staff in presenting the underlying basis of disease.

The free time in this curriculum may be spent in elective work or anything else which the student wishes to do. No credits are given for specific courses during this free time. The opportunity merely is provided for each student, on his own initiative, to obtain the additional training which he may feel to be necessary or desirable. It is hoped that many of the students will migrate to other medical schools in this country for one quarter, a practice which is encouraged. The students also may utilize their free time in elective courses in preclinical and clinical departments and may pursue independent work in any subject or may do research work. The elective courses have been organized for small groups and will be repeated, if necessary, in one or more quarters. Students who wish to spend one or more quarters at other medical schools or to substitute a program different from that listed below, must obtain permission, in advance, from the Curriculum Committee.

CURRICULUM OF FOUR QUARTERS OF ELEVEN WEEKS EACH

(The hours for these courses will be posted on the bulletin board.)

FIRST YEAR

SUMMER QUARTER (1st):

July 6 to September 19, 1942.

Anatomy (including histology and neuroanatomy).....	385 Hours
Biochemistry	44 Hours

AUTUMN QUARTER (2d):

October 5 to December 19, 1942.

Anatomy (including histology and neuroanatomy)	165 Hours
Biochemistry	176 Hours
Free time	88 Hours

WINTER QUARTER (3d):

January 7 to March 24, 1943.

Physiology and pharmacology, including nutrition.....	330 Hours
Introduction to Neuropsychiatry	11 Hours
Free time	88 Hours

SECOND YEAR

SPRING QUARTER (4th) :

April 1 to June 16, 1943.

Pathology	198 Hours
Bacteriology and Parasitology	150 Hours
Free time	81 Hours

SUMMER QUARTER (5th) :

July 8 to September 22, 1943.

Pathology	183 Hours
Clinical microscopy	110 Hours
Public health and hygiene	37 Hours
Free time	99 Hours

AUTUMN QUARTER (6th) :

October 7 to December 22, 1943.

Physical diagnosis and introduction to clinical medicine.....	300 Hours
Free time	129 Hours

JUNIOR YEAR

WINTER QUARTER (7th) :*

January 6 to March 22, 1944.

Medicine (Junior)	429 Hours
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SPRING QUARTER (8th) :*

March 30 to June 14, 1944.

Surgery (Junior)	429 Hours
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SUMMER QUARTER (9th) :*

July 6 to September 20, 1944.

Obstetrics and Gynecology (Junior)	346 Hours
Neuropsychiatry	83 Hours

SENIOR YEAR

AUTUMN QUARTER (10th) :*

October 5 to December 20, 1944.

Medicine (Senior)	429 Hours
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WINTER QUARTER (11th) :*

January 4 to March 21, 1945.

Surgery (Senior), including urology and orthopaedics.....	307 Hours
Obstetrics	122 Hours

SPRING QUARTER (12th) :*

March 29 to June 13, 1945.

Pediatrics	191 Hours
Surgery	41 Hours
Final clinical examinations	24 Hours
Preventive medicine	22 Hours
Neuropsychiatry	41 Hours
Free time	110 Hours

SUMMARY

Total number of hours in curriculum.....	5,148
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* The clinical instruction is repeated each quarter in order to utilize all the clinical material and to have small groups of students. Consequently, students may vary the order of the seventh, eighth, and ninth quarters, and also the order of the tenth, eleventh, and twelfth quarters. The above schedule merely illustrates the program of one group. The class which enters April 1, 1943, will follow a similar schedule starting with anatomy in the Spring Quarter (April 1 to June 16, 1943).

FEES AND EXPENSES

All fees for each quarter are due and payable at the beginning of each quarter, and no student will be admitted to classes until these fees have been paid at the University Treasurer's Office. A fine of \$5.00 is charged for late registration. No credit will be given for any quarter in which the tuition of \$150 has not been paid at the Treasurer's Office, whether the work has been done here or elsewhere, except that students who have been permitted by the Curriculum Committee to spend a quarter at another medical school or hospital may subtract the amount of tuition paid at this other medical school or hospital from the \$150 due here for that quarter.

It is not advisable for a student to attempt outside work to defray his expenses; the results usually are disastrous to his health and academic standing.

Fees and Expenses

Tuition, per quarter	\$150	
Health Fee, per quarter	3.33	
Athletic Fee, admitting students to all athletic contests held on the University campus during the quarter	5	
Room-rent, per quarter* (estimated)	50	
Board, per quarter (estimated)	75	
Laundry, per quarter (estimated)	10 to	20
Books, per quarter (estimated)	25 to	50
Commencement and Diploma Fees**		8
National Board of Medical Examiners Fees** \$25 (Part I), \$20 (Part II)		
Microscope, ophthalmoscope, otoscope, and other equipment, which are required of each student and which must conform to rigid standards, may be obtained on a rental basis from the University	20 to	30
Estimated total expenses, per month	115 to	150

ANGIER B. DUKE MEMORIAL AND OTHER LOAN FUNDS

The Angier B. Duke Memorial, Incorporated, administers through an advisory committee of the officers of the University a loan fund for students. In addition, the loan funds of the W. K. Kellogg Foundation and the Division of Education of the Federal Security Agency are available for students who are not financially able to meet their expenses. Medical students, after their third quarter, are eligible for loans from these sources. No scholarships are awarded in the School of Medicine. The loan funds are administered in accordance with the following regulations:

* Rooms may be reserved by medical students in Few Quadrangle. These rooms are provided with furniture, heat, electric light, and care of rooms; each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows. Applications for rooms, accompanied by a reservation fee of \$25, should be made by writing to Mr. W. E. Whitford, Duke University, Durham, N. C.

** Payable at the beginning of the quarter in which a student is eligible for a degree or examination.

1. No loan will be made to a student who violates any of the regulations of the University or who is not doing outstanding classwork.

2. Loans will be made only to students who are taking full courses of study that lead to a degree, and all loans must be arranged not later than one week after the beginning of a quarter.

3. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money will be advanced before a note with approved security is in the hands of the Treasurer of the University.

SCHOOL OF MEDICINE STUDENTS

	<i>First Year</i>	<i>Second-Year</i>	<i>Junior-Senior</i>	<i>Total</i>	<i>Graduates 1932-42</i>
Students.....	68	72	126	266	503

FIRST-YEAR STUDENTS

<i>Name and Preparation</i>	<i>Home Address</i>
Bryon Michel Bloor <i>University of Idaho, University of Washington; University of Idaho.</i>	Moscow, Idaho
Richard Edwin Boger <i>Duke University.</i>	Charlotte, N. C.
Jay Olsen Brinton..... <i>Westminster Junior College, Eastern Kentucky State Teachers College, University of Idaho.</i>	Salt Lake City, Utah
William Armstead Brooks, III..... <i>Duke University.</i>	Dallas, Tex.
Walter Jordan Brower..... <i>University of Alabama.</i>	New York, N. Y.
Carrel Mayo Caudill <i>Duke University.</i>	Pearisburg, Va.
Arthur Edward DeNio, Jr..... <i>Duke University.</i>	Detroit, Mich.
Elizabeth Jean Dubs..... <i>Duke University.</i>	Durham, N. C.
Adolphus William Dunn..... <i>Wake Forest College.</i>	Leaksville, N. C.
Ralph Gerald Eaker..... <i>Wofford College.</i>	Lawndale, N. C.
John Richard Emlet..... <i>Dickenson College.</i>	Hanover, Pa.
James Edward Farley, Jr..... <i>Duke University.</i>	Durham, N. C.
Charles Shirey Flynn..... <i>Bluefield Junior College; Duke University.</i>	Bluefield, W. Va.
Frederick Clare Hanson..... <i>University of Illinois; University of Wisconsin.</i>	Geneva, Ill.
Benedict Harrow <i>Duke University.</i>	Pittsfield, Mass.
Willis Holland Hodges, Jr..... <i>Ohio State University.</i>	Columbus, Ohio
Bruce Charles Holman..... <i>Hamilton College; Duke University.</i>	Bainbridge, N. Y.
Earl Pendleton Holt, Jr..... <i>Oak Ridge Military Institute; Duke University.</i>	Oak Ridge, N. C.
Thomas Ruffin Hood..... <i>Mars Hill Junior College; Duke University.</i>	Smithfield, N. C.
Louis Moffitt Howell..... <i>University of Florida.</i>	Jacksonville, Fla.
Beverly N. Jones, Jr..... <i>Virginia Polytechnic Institute.</i>	Winston-Salem, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>
Stanley Jay Kallman..... <i>University of North Carolina.</i>	New York, N. Y.
Seymour Robert Kaplan..... <i>Brooklyn College; Duke University.</i>	Brooklyn, N. Y.
Alfred Robert Kessler..... <i>Fordham University.</i>	Astoria, N. Y.
Victor Henry Knight, Jr. <i>Duke University.</i>	Tampa, Fla.
Emery Thomas Kraycirik..... <i>Franklin and Marshall Academy; Lenoir-Rhyne College.</i>	Windber, Pa.
Ullin Whitney Leavell, Jr..... <i>Vanderbilt University.</i>	Nashville, Tenn.
Charles William Lewis, Jr..... <i>Gulfport College.</i>	Greensboro, N. C.
William Figgatt Lovell..... <i>Duke University.</i>	Raleigh, N. C.
James Dwight Lutz..... <i>Duke University.</i>	Shelby, N. C.
John Niel McClure, Jr..... <i>Duke University.</i>	Palmetto, Fla.
Hugh McCulloch, Jr..... <i>Washington and Lee University.</i>	St. Louis, Mo.
Frank Watt McCune..... <i>Duke University.</i>	McKeesport, Pa.
John P. McGovern..... <i>Duke University.</i>	Washington, D. C.
A. Ziegler McPherson..... <i>University of Oklahoma; University of Arkansas.</i>	Little Rock, Ark.
Robert Pickens Marshall..... <i>Duke University.</i>	Washington, D. C.
James Thompson Metzger..... <i>Loomis Institute; University of Pittsburgh.</i>	Pittsburgh, Pa.
Lowell Stephen Miller..... <i>Mars Hill College; Duke University.</i>	Asheville, N. C.
Oscar McLendon Mims..... <i>University of South Carolina.</i>	Florence, S. C.
Thomas Joseph Moore..... <i>Duke University.</i>	Bronxville, N. Y.
Herbert Leon Newbold, Jr..... <i>College of William and Mary; Duke University.</i>	Newport News, Va.
Benjamin Nixon..... <i>St. Mary's University; University of Texas.</i>	San Antonio, Tex.
Richard Milton Paddison..... <i>Duke University.</i>	Savannah, Ga.
Benjamin Jackson Philips..... <i>Davidson College.</i>	Jacksonville, Fla.
Alfred Rowland Pittman, Jr..... <i>North Carolina State College; Wake Forest College.</i>	Lumberton, N. C.
Grover Duckett Poole..... <i>Duke University.</i>	Raleigh, N. C.
Robert Barclay Ragland..... <i>Virginia Military Institute; University of Colorado; University of Florida.</i>	Jacksonville, Fla.

<i>Name and Preparation</i>	<i>Home Address</i>
Clarence Lee Ruffin..... <i>University of North Carolina.</i>	Tarboro, N. C.
Edwin Robert Ruskin..... <i>Duke University.</i>	New Rochelle, N. Y.
Robert McCurdy Russell..... <i>Duke University.</i>	Burgettstown, Pa.
Harold St. John..... <i>Northwestern University.</i>	Washington, D. C.
William Benjamin Schwartz, Jr..... <i>Duke University.</i>	Woodmere, N. Y.
Murray Bernard Sheldon, Jr..... <i>Duke University.</i>	Roselle Park, N. J.
Stephen David Smith..... <i>University of Georgia.</i>	Rome, Ga.
Thoburn Rudolph Snyder, Jr..... <i>Duke University.</i>	Mount Pleasant, Pa.
Edward John Stainbrook..... <i>Duke University;</i> <i>Catholic University;</i> <i>Allegheny College.</i>	Durham, N. C.
William Sinclair Stewart, IV..... <i>Duke University.</i>	Charlotte, N. C.
Wingate Elwood Swain..... <i>Wake Forest College.</i>	Shallotte, N. C.
Frederick Harvey Taylor..... <i>Guilford College.</i>	High Point, N. C.
Paul Claytor Thompson..... <i>Duke University.</i>	Reidsville, N. C.
Bennie Vatz..... <i>Eastern Carolina Teachers College;</i> <i>University of North Carolina.</i>	Kinston, N. C.
Carl Marvin Voyles, Jr..... <i>College of William and Mary.</i>	Williamsburg, Va.
William Thurman Watkins, Jr..... <i>Duke University.</i>	Newport News, Va.
William D. Weber..... <i>University of Pittsburgh;</i> <i>Duke University.</i>	Erie, Pa.
Samuel Gould Welborn..... <i>Davidson College.</i>	Lexington, N. C.
Hayes MacMurry White, Jr..... <i>Duke University.</i>	Raleigh, N. C.
Walter Barron Withers..... <i>University of North Carolina.</i>	Chapel Hill, N. C.
Robert Clifford Wulfman..... <i>Marshall College.</i>	Huntington, W. Va.

SECOND-YEAR STUDENTS

Robert James Atwell..... <i>Duke University.</i>	Chillicothe, Ohio
Horace Mitchell Baker, Jr..... <i>University of North Carolina.</i>	Lumberton, N. C.
Frank Louis Beckel..... <i>Duke University.</i>	Huntingdon, Pa.
Walter Russell Benson..... <i>Duke University.</i>	Tamaqua, Pa.
Charles Marvin Blackburn..... <i>University of Oklahoma.</i>	Ada, Okla.
Jack Holland Boatman..... <i>University of Oklahoma.</i>	Okmulgee, Okla.

<i>Name and Preparation</i>	<i>Home Address</i>
Jacob Thompson Bradsher, Jr..... <i>Lees-McRae College;</i> <i>Maryville College.</i>	Milton, N. C.
Joseph Dondiego Brenna..... <i>Duke University.</i>	Trenton, N. J.
Banks Raleigh Cates, Jr..... <i>The Citadel;</i> <i>Davidson College;</i> <i>Duke University.</i>	Charlotte, N. C.
Robert George Chambers..... <i>Columbia University;</i> <i>New York University;</i> <i>Duke University.</i>	New York City, N. Y.
William Alan Chickering..... <i>Duke University.</i>	Chicago, Ill.
John Pope Collins..... <i>Duke University.</i>	Blackfoot, Idaho
Richard Grigsby Connar..... <i>Duke University.</i>	Rutherford, N. J.
Gerald Edwin Cronk..... <i>Tulsa University.</i>	Tulsa, Okla.
Robert Thomas Cronk..... <i>Tulsa University.</i>	Tulsa, Okla.
Martin Marc Cummings..... <i>Bucknell University.</i>	Glassboro, N. J.
Arthur Markham Dalton..... <i>Purdue University;</i> <i>Duke University.</i>	Toledo, Ohio
William Hersey Davis, Jr..... <i>Mars Hill College;</i> <i>University of Louisville;</i> <i>Duke University.</i>	Louisville, Ky.
William Townsend Davison..... <i>Yale University.</i>	Durham, N. C.
Carleton Cecil Douglass..... <i>University of Delaware.</i>	Newark, Del.
Henry Martin Dratz..... <i>Duke University.</i>	Lynbrook, N. Y.
Stuart Reiley Ducker, Jr..... <i>Yale University.</i>	Fort Myers Beach, Fla.
Howard Casey Duckett, Jr..... <i>Emory University;</i> <i>Duke University.</i>	Durham, N. C.
Ernest Goodall Edwards, Jr..... <i>Clemson College.</i>	Columbia, S. C.
William Preston Featherston..... <i>Duke University.</i>	Durham, N. C.
Bernard Frank Joseph Fetter..... <i>Johns Hopkins University.</i>	Baltimore, Md.
William Joseph Edward Fetter..... <i>Johns Hopkins University.</i>	Baltimore, Md.
George Francis Fordham..... <i>Georgetown University.</i>	Powellton, W. Va.
Truett Hollis Frazier..... <i>Mars Hill College;</i> <i>Duke University.</i>	Asheboro, N. C.
Thomas Calabria Frell..... <i>Ohio State University.</i>	Warren, Ohio
Anneva French..... <i>King College.</i>	Bristol, Va.
Wilton George Fritz..... <i>Duke University.</i>	Ridgewood, N. J.

<i>Name and Preparation</i>	<i>Home Address</i>
Walter Gothard Gobbel, Jr. <i>Duke University.</i>	Suffolk, Va.
William Wills Green, Jr. <i>University of North Carolina.</i>	Tarboro, N. C.
Nannie Marguerite Hainje. <i>Ward-Belmont College;</i> <i>Mount Holyoke College.</i>	Brewton, Ala.
James Lawrence Hansen. <i>University of Utah.</i>	Salt Lake City, Utah
Francis Williams Hare, Jr. <i>Birmingham-Southern College;</i> <i>University of Colorado.</i>	Monroeville, Ala.
Robert Pinckard Henderson. <i>Kalamazoo College;</i> <i>Western State Teachers College.</i>	Kalamazoo, Mich.
George Manley Himadi. <i>Duke University.</i>	Ridgewood, N. J.
Lester Jerome Honig. <i>Harvard College.</i>	New York City, N. Y.
Claude Gibson Hooten, Jr. <i>University of Richmond.</i>	Lynchburg, Va.
James Jackson Hutson. <i>Duke University.</i>	Miami, Fla.
Charles Warren Irvin, Jr. <i>Duke University;</i> <i>University of South Carolina.</i>	Columbia, S. C.
Karl Crawford Jonas. <i>Davidson College.</i>	Marion, N. C.
Paxton Lane Jones. <i>Youngstown College;</i> <i>Duke University.</i>	North Benton, Ohio
George Wallace Kernodle. <i>Elon College.</i>	Elon College, N. C.
Robert Bruce Kubek. <i>Duke University.</i>	Cleveland Heights, Ohio
John Fuller Lawson. <i>Duke University.</i>	Erwin, Tenn.
George Welch Liles <i>Duke University.</i>	Charlotte, N. C.
Archibald Nock McIntosh. <i>University of North Carolina.</i>	Old Fort, N. C.
William Wailes Magruder. <i>Mississippi State College.</i>	Starkville, Miss.
Tom Lewis Martin. <i>Washington and Lee University.</i>	Goldville, S. C.
George Harold Massey. <i>University of Florida.</i>	Quincy, Fla.
Walter Sidney Matthews, Jr. <i>Duke University.</i>	Danville, Va.
William Clayton Morgan. <i>Catawba College.</i>	Salisbury, N. C.
William Gray Murray <i>University of North Carolina.</i>	Greensboro, N. C.
Leonard Palumbo. <i>Duke University.</i>	East Orange, N. J.
Rex Beach Perkins. <i>Duke University.</i>	New Egypt, N. J.
George Edward Prince. <i>Duke University.</i>	Dunn, N. C.
Richard Grover Renner. <i>Miami University.</i>	Dayton, Ohio

<i>Name and Preparation</i>	<i>Home Address</i>
Henry Lamar Roberts..... <i>Emory University;</i> <i>University of Texas;</i> <i>University of Chicago.</i>	Macon, Ga.
David Bernard Rulon..... <i>Duke University.</i>	Phoenixville, Pa.
James Matthew San..... <i>Duke University;</i> <i>Virginia Polytechnic Institute.</i>	St. Petersburg, Fla.
Frederick Kenneth Schmidt..... <i>University of North Carolina.</i>	Plainfield, N. J.
Richard Paul Sexton..... <i>Dartmouth College.</i>	Winchester, Mass.
Bertram Fairley Townsend..... <i>Duke University.</i>	Nutley, N. J.
Joseph Warren West..... <i>St. Petersburg Junior College;</i> <i>Duke University.</i>	St. Petersburg, Fla.
Robert Jackson Wetmore..... <i>Duke University.</i>	Durham, N. C.
Beverley Holland White..... <i>Emory University.</i>	St. Petersburg, Fla.
William Carl Whitesides, Jr..... <i>University of South Carolina;</i> <i>Duke University.</i>	York, S. C.
William Merrill Corry Wilhoit..... <i>University of Florida.</i>	Quincy, Fla.
John Archibald Yarborough..... <i>Duke University.</i>	Cary, N. C.

JUNIOR-SENIOR STUDENTS

Fred Houdlett Albee, Jr. (12/22/43)..... <i>Duke University.</i>	New York City, N. Y.
Albert Jerviss Alter (12/22/43)..... <i>Yale University.</i>	Toledo, Ohio
Robert Lester Baeder (12/22/43)..... <i>Duke University.</i>	Nutley, N. J.
Ralph Parr Baker (6/16/43)..... <i>Washington and Lee University.</i>	Newberry, S. C.
Albert Lawrence Banks (12/22/43)..... <i>Duke University.</i>	Somerville, N. J.
Donald Gibson Bard, Jr. (3/24/43)..... <i>Duke University.</i>	Pleasantville, N. Y.
John Lee Barrett (12/19/42)..... <i>Duke University;</i> <i>University of Michigan.</i>	Grosse Pointe, Mich.
Stephen Russell Bartlett, Jr. (3/24/43)..... <i>Trinity College (Hartford, Conn.).</i>	Hingham, Mass.
Arthur Jay Bassell (12/22/43)..... <i>University of Virginia.</i>	New York City, N. Y.
Charles Leonard Benson (3/24/43)..... <i>Muhlenberg College;</i> <i>Duke University.</i>	Tamaqua, Pa.
Gustave Francis Bieber (3/24/43)..... <i>Rutgers University.</i>	South River, N. J.
Frank Cutchin Bone (12/22/43)..... <i>Duke University.</i>	Rocky Mount, N. C.
Orin Watts Booth (12/22/43)..... <i>University of North Carolina;</i> <i>University of North Carolina Medical School, 1940-1942.</i>	Durham, N. C.
George Orion Boucher (12/19/42)..... <i>University of California.</i>	Moberly, Mo.

<i>Name and Preparation</i>	<i>Home Address</i>
Clyde Owens Brindley (3/24/43) <i>University of Texas.</i>	Temple, Tex.
Robert Alexander Broome, Jr. (12/22/43) <i>Duke University.</i>	Rocky Mount, N. C.
Norris Mervin Burleson (3/24/43) <i>Duke University.</i>	Port Allegany, Pa.
John Sinclair Campbell (3/24/43) <i>University of Michigan.</i>	Manistee, Mich.
Robert Monroe Campbell (12/19/42) <i>Central College.</i>	Neosho, Mo.
John Edward Cann (12/22/43) <i>Duke University.</i>	Greensboro, N. C.
Jesse Whilden Carll, IV (12/22/43) <i>Duke University.</i>	Bridgeton, N. J.
Leffie Mahon Carlton, Jr. (12/19/42) <i>John B. Stetson University;</i> <i>Duke University.</i>	Wauchula, Fla.
Kenneth Grantland Christian (12/22/43) <i>Berea College;</i> <i>University of Alabama School of Medicine, 1940-1942.</i>	Cullman, Ala.
Lee Marion Cole, Jr. (12/22/43) <i>Virginia Polytechnic Institute.</i>	Christiansburg, Va.
George Judson Cooper, Jr. (12/19/42) <i>Albion College;</i> <i>Stanford University;</i> <i>Wayne University.</i>	Detroit, Mich.
John Thomas Crowe, III (12/22/43) <i>Central College.</i>	Peverly, Mo.
George Gordon Culbreth (12/22/43) <i>Duke University.</i>	New Bern, N. C.
Robert Whitney Curry (12/22/43) <i>Duke University.</i>	Bradenton, Fla.
James William Dickey, Jr. (12/22/43) <i>Georgia School of Technology;</i> <i>University of Michigan;</i> <i>Duke University.</i>	Fort Lauderdale, Fla.
Charles Kendall Donegan (12/22/43) <i>St. Petersburg Junior College;</i> <i>Duke University.</i>	Largo, Fla.
William McCoy Eagles (12/22/43) <i>Duke University.</i>	Fountain, N. C.
Elmer William Erickson (12/22/43) <i>Duke University.</i>	Irwin, Pa.
Michael James Feeney (12/22/43) <i>Billings Polytechnic Institute;</i> <i>University of North Dakota, Liberal Arts College;</i> <i>University of North Dakota, Medical School, 1940-1942.</i>	Kirley, S. D.
Marvin McCall Gibson (12/22/43) <i>University of Georgia;</i> <i>Duke University.</i>	Douglas, Ga.
John Capers Glenn, Jr. (12/22/43) <i>Junior College of Kansas City, Mo.;</i> <i>Central College.</i>	Raleigh, N. C.
Nathaniel Banks Glover (12/22/43) <i>The Citadel.</i>	Newnan, Ga.
Lawrence Elliott Gordon, Jr. (12/22/43) <i>Emory and Henry College;</i> <i>University of Virginia.</i>	Marion, Va.
Emil Joseph Graham (12/22/43) <i>Brevard College;</i> <i>University of North Carolina;</i> <i>Duke University.</i>	Naranja, Fla.

<i>Name and Preparation</i>	<i>Home Address</i>
Alfred Edward Gras (12/22/43)..... <i>Harvard College.</i>	Cambridge, Mass.
Lucy Jane Gregory (3/24/43)..... <i>Sweet Briar College.</i>	Rocky Mount, N. C.
Matthew Hill Grimmitt (3/24/43)..... <i>Vanderbilt University.</i>	McMinnville, Tenn.
Walter Gordon Hackett (3/24/43)..... <i>Vanderbilt University.</i>	Rome, Ga.
Beatrice Laura Hart (12/19/42)..... <i>Swarthmore College; University of Edinburgh.</i>	Durham, N. C.
Harold E. Harvey (3/24/43)..... <i>Duke University.</i>	Sprague, W. Va.
Watkins Proctor Harvey (3/24/43)..... <i>Lynchburg College.</i>	Lynchburg, Va.
Harold Houston Hawfield (12/22/43)..... <i>Duke University.</i>	Concord, N. C.
Thomas Roy Hazelrigg (12/22/43)..... <i>Montana University.</i>	Missoula, Mont.
Eleanor Jane Herring (12/19/42)..... <i>Greensboro College; Guilford College.</i>	Roseboro, N. C.
Wilks Otho Hiatt, Jr. (12/22/43)..... <i>Duke University; University of Virginia.</i>	Savannah, Ga.
William Samuel Hooten (3/24/43)..... <i>Lynchburg College.</i>	Lynchburg, Va.
Eugene Leroy Horger, Jr. (12/22/43)..... <i>Duke University.</i>	Columbia, S. C.
Henry Lee Howard (3/24/43)..... <i>Duke University; University of South Carolina.</i>	Savannah, Ga.
John Howard (3/24/43)..... <i>Duke University.</i>	Savannah, Ga.
Carter Wyckoff Howell (3/24/43)..... <i>Harvard University; Knox College.</i>	Grinnell, Iowa
James Mayhew Ingram, Jr. (12/22/43)..... <i>University of Tampa; Duke University.</i>	Tampa, Fla.
Martin Evans Jones, Jr. (12/22/43)..... <i>Duke University.</i>	Granite Falls, N. C.
Roy Mason Kash (12/19/42)..... <i>Sterling College.</i>	Omer, Ky.
Anthony Vanderbilt Keese (12/19/42)..... <i>Stanford University.</i>	Pasadena, Calif.
Andrew Anthony Kerhulas (12/19/42)..... <i>Wofford College.</i>	Union, S. C.
Samuel Rea Kilgore (3/24/43)..... <i>The Citadel.</i>	Woodruff, S. C.
Herbert Arthur King (12/19/42)..... <i>University of Richmond.</i>	Peabody, Mass.
John Albert Kneipp (3/24/43)..... <i>Duke University.</i>	Washington, D. C.
Lemuel Weyher Kornegay, Jr. (3/24/43)..... <i>Davidson College.</i>	Rocky Mount, N. C.
William Edward Leeper, Jr. (12/22/43)..... <i>Duke University.</i>	Gastonia, N. C.
Edward David Levy (12/19/42)..... <i>Harvard College; Duke University.</i>	West Hartford, Conn.

<i>Name and Preparation</i>	<i>Home Address</i>
Laurence Atkinson Liversedge (12/22/43) <i>University of Manchester.</i>	Bromley Cross, Bolton, Lancashire, Eng.
David Jay McCulloch (12/19/42).....	East Liverpool, Ohio
<i>Ohio State University.</i>	
Francis H. McCullough, Jr. (12/22/43).....	New York City, N. Y.
<i>Columbia College.</i>	
Paul Robinson Massengill (12/19/42).....	Raleigh, N. C.
<i>Duke University;</i>	
<i>North Carolina State College.</i>	
Hugh Archie Matthews (12/22/43).....	Canton, N. C.
<i>Campbell Junior College;</i>	
<i>Wake Forest College;</i>	
<i>University of North Carolina;</i>	
<i>Yale University.</i>	
Richard Hoyt Mayne (12/22/43).....	Miami, Ariz.
<i>University of Arizona.</i>	
James Donaldson Moody (12/22/43).....	East Brady, Pa.
<i>Duke University.</i>	
Horace Lee Morgan (12/22/43).....	Savannah, Ga.
<i>Duke University;</i>	
<i>University of South Carolina.</i>	
Arthur Allen Morris, Jr. (12/22/43).....	Winston-Salem, N. C.
<i>Duke University.</i>	
William Henry Muller, Jr. (12/22/43).....	Dillon, S. C.
<i>The Citadel.</i>	
Harry Stoll Mustard, Jr. (3/24/43).....	Boykin, S. C.
<i>Johns Hopkins University;</i>	
<i>University of South Carolina.</i>	
Jack Harrell Neese (12/19/42).....	Reidsville, N. C.
<i>Elon College.</i>	
William Irvin Neikirk (3/24/43).....	Hagerstown, Md.
<i>Duke University.</i>	
Arthur Francis O'Keeffe (3/24/43).....	Milton, Mass.
<i>Johns Hopkins University.</i>	
Keith Millner Oliver (12/22/43).....	Lynnhaven, Va.
<i>Virginia Polytechnic Institute.</i>	
John Frederick Ott (3/24/43).....	Cincinnati, Ohio
<i>University of Cincinnati.</i>	
John Dickinson Peck, Jr. (12/19/42).....	Summersville, W. Va.
<i>Virginia Polytechnic Institute.</i>	
Clarence Eugene Peery (12/22/43).....	Sprigg, W. Va.
<i>Emory and Henry College.</i>	
Maxine Roberta Perdue (12/22/43).....	Canton, Ohio
<i>Duke University.</i>	
William Anthony Peters, Jr. (12/19/42).....	Elizabeth City, N. C.
<i>Duke University.</i>	
Robert Lyons Picken (3/24/43).....	Tonasket, Wash.
<i>Washington State College.</i>	
Victor Anthony Politano (12/22/43).....	Point Marion, Pa.
<i>Marshall College.</i>	
Desmond Anthony Pond (12/22/43).....	Hatch End, Middlesex, Eng.
<i>Cambridge University.</i>	
Frank Earl Poole (3/24/43).....	Clay, W. Va.
<i>West Virginia University.</i>	
Raymond Crawford Ramage (12/22/43).....	Jacksonville, Fla.
<i>University of Florida.</i>	
John Garnett Ramsbottom (12/22/43).....	Spartanburg, S. C.
<i>Wofford College.</i>	
George Rankine (12/22/43).....	Dundee, Scotland
<i>St. Andrews University.</i>	

<i>Name and Preparation</i>	<i>Home Address</i>
Norman Wesley Rausch (3/24/43)..... <i>Western Maryland College; Duke University.</i>	Maplewood, N. J.
Bernard Leonidas Rhodes, Jr. (12/22/43)..... <i>Marion Military Institute; Duke University.</i>	Live Oak, Fla.
Millard McAdoo Riggs (12/22/43)..... <i>Marshall College.</i>	Huntington, W. Va.
John Andrews Ritchie (3/24/43)..... <i>Hampden-Sydney College; University of Virginia.</i>	Hardware, Va.
Benjamin Franklin Roach (3/24/43)..... <i>Duke University.</i>	Midway, Ky.
Don Winfrey Robinson (12/22/43)..... <i>American Institute of Banking; University of Southern California; Central College; University of Missouri.</i>	Long Beach, Calif.
Stanfield Rogers (12/22/43)..... <i>Duke University.</i>	Dyersburg, Tenn.
Otho Bescent Ross, Jr. (12/22/43)..... <i>University of North Carolina.</i>	Charlotte, N. C.
Robert Franklin Ruff (3/24/43)..... <i>Pennsylvania State College.</i>	Jeannette, Pa.
Richard Allan Ruskin (12/22/43)..... <i>Duke University.</i>	New Rochelle, N. Y.
Robert Emmett Seibels, Jr. (12/22/43)..... <i>University of the South.</i>	Columbia, S. C.
John Greateon Sellers (3/24/43)..... <i>College of William and Mary; Duke University.</i>	Norfolk, Va.
Richard Hopkins Sinden (12/19/42)..... <i>University of Florida.</i>	Dunedin, Fla.
William Vance Singletary (12/22/43)..... <i>University of North Carolina.</i>	Greensboro, N. C.
George Washington Freeman Singleton (12/22/43)..... <i>The Citadel; Duke University.</i>	Selma, Ala.
Milton Crego Smith (12/22/43)..... <i>University of Michigan.</i>	Ann Arbor, Mich.
Walter Spaeth, Jr. (3/24/43)..... <i>Duke University.</i>	Southern Pines, N. C.
Harry Francis Steelman (12/22/43)..... <i>Lenoir-Rhyne College.</i>	Hickory, N. C.
Harlan Aljean Stiles (12/19/42)..... <i>Marshall College.</i>	Huntington, W. Va.
Archie Reid Sutherland (9/19/42)..... <i>Duke University; Emory and Henry College.</i>	Sparta, Ill.
Eric Donald Thompson (3/24/43)..... <i>Duke University; Harvard College.</i>	Montclair, N. J.
Kearns Reid Thompson, Jr. (12/19/42)..... <i>Duke University.</i>	Reidsville, N. C.
George Edward Thurman (12/22/43)..... <i>Princeton University.</i>	Charlotte, N. C.
Thomas Carter Van Arsdall (3/24/43)..... <i>University of Michigan.</i>	Harrodsburg, Ky.
Robert James Vanderlinde (12/19/42)..... <i>Duke University.</i>	Rochester, N. Y.
Walter Brown Watson (12/22/43)..... <i>Duke University.</i>	Belleville, N. J.

<i>Name and Preparation</i>	<i>Home Address</i>
Garland Odell Wellman (12/19/42)..... <i>Marshall College.</i>	Kenova, W. Va.
Donald Palmer White, Jr. (12/22/43)..... <i>St. Lawrence University;</i> <i>University of Alabama.</i>	Potsdam, N. Y.
William Harrison Williams, Jr. (3/24/43)..... <i>Wake Forest College.</i>	Charlotte, N. C.
John McLean Wilson (3/24/43)..... <i>The Citadel.</i>	Darlington, S. C.
Margaret Wilson (12/22/43)..... <i>Salem College.</i>	Raleigh, N. C.
Robert Walker Withers, IV (12/22/43)..... <i>University of Florida.</i>	Tampa, Fla.
Marshall Wayne Woodard (3/24/43)..... <i>Mars Hill College;</i> <i>Duke University.</i>	Asheville, N. C.
Cabell Young, Jr. (3/24/43)..... <i>North Carolina State College;</i> <i>Duke University.</i>	Charlotte, N. C.

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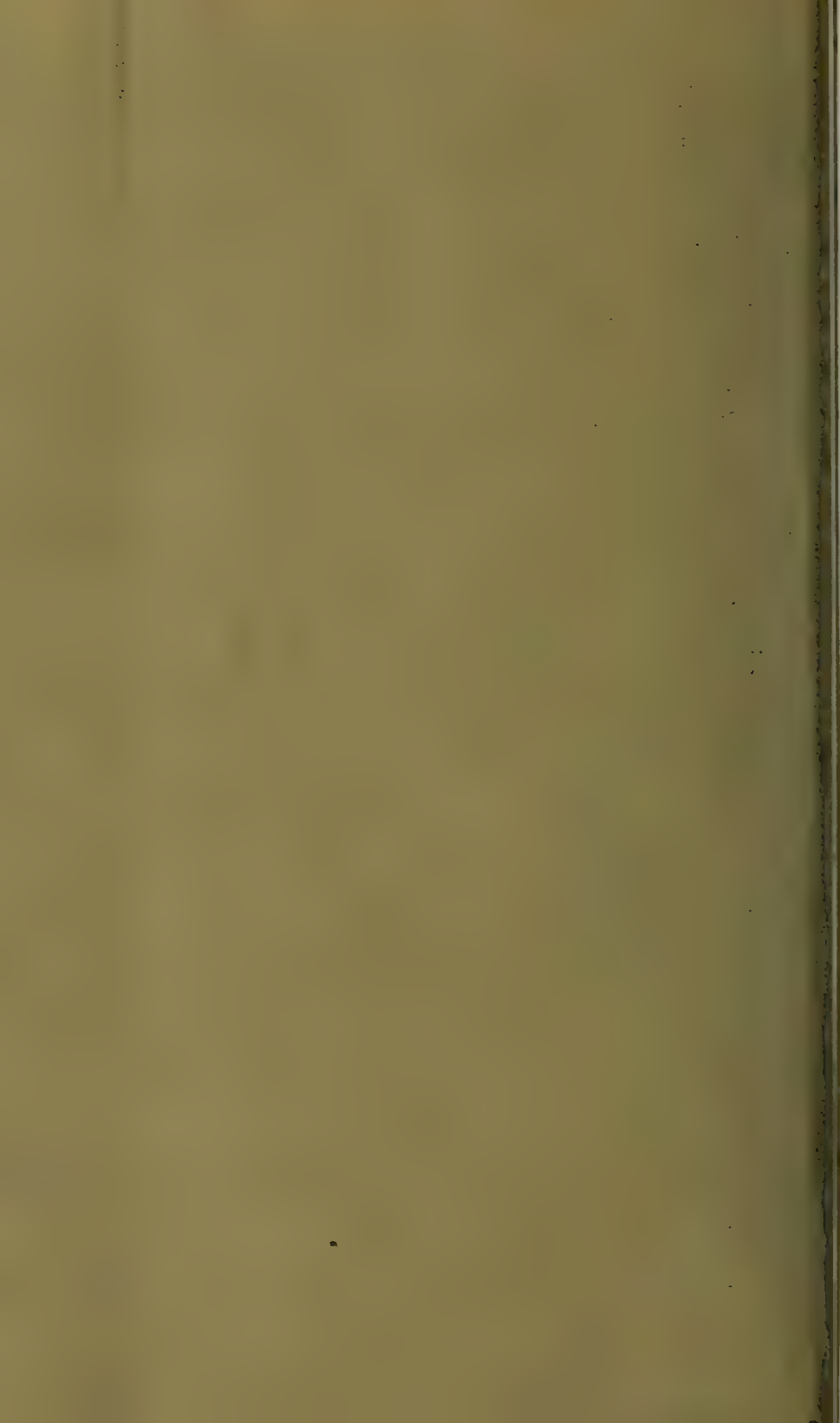
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DUKE UNIVERSITY



Views on Two Campuses

WEST, OR UNIVERSITY, CAMPUS

EAST, OR WOMAN'S COLLEGE, CAMPUS

[WHILE THIS FOLDER REFERS IN A GENERAL WAY TO THE GRADUATE AND THE PROFESSIONAL SCHOOLS, MOST OF THE MATTER APPEARING HEREIN PERTAINS TO THE TWO UNDERGRADUATE COLLEGES OF DUKE UNIVERSITY—TRINITY COLLEGE FOR MEN AND THE WOMAN'S COLLEGE.]

ORIGINS

Duke University, founded by James B. Duke in 1924, includes Trinity College for men, which goes back in its origins to 1838 and continues to exist as an important part of Duke University, the Woman's College, the Graduate School of Arts and Sciences, Divinity School, School of Law, School of Medicine, School of Nursing, the Summer Session, the School of Forestry, and the College of Engineering.

BUILDINGS

The buildings for the various schools and departments are located on two campuses of about 5,200 acres, Gothic architecture being the prevailing type on the new West, or University, campus, and Georgian on the East, or Woman's College, campus.

STUDENTS

For the academic year 1941-42, forty-four states of the Union and several nations were represented in the student body of over 3,600 students. This does not include, of course, the enrollment of the summer schools. There were 2,068 registrations in the 1941 summer schools.

FACULTY

The faculty and administration of the University number more than 500 persons, including men and women widely known in the educational life of this and other nations.

LIBRARIES

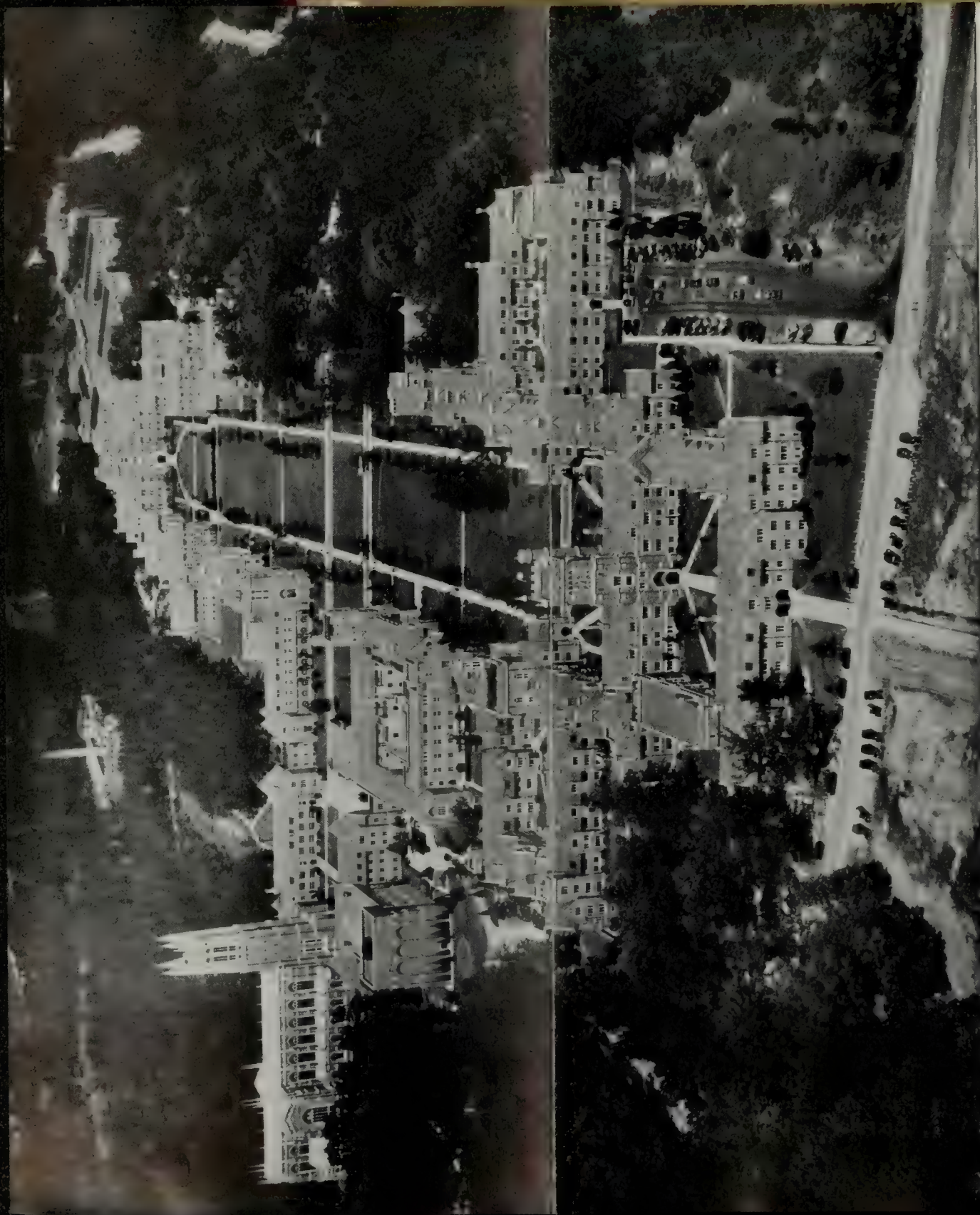
In the five University libraries (the General Library, the Woman's College library, the Hospital library, the Law library, and the Divinity School library) there are 632,327 volumes.

HOSPITAL

The Duke Hospital, complete to the last detail, offers exceptional facilities for the treatment of students.

COLLEGE LIFE

A variety of interests outside those of the classroom and laboratory await the participation of the undergraduate student at Duke University. There are fields of activity suited to every inclination and talent, and the many organizations associated with these activities present a fine opportunity for the development of leadership.



Air View of the West, or University, Campus

Without and Within the Chapel



The Pulpit, the Choir, the Organ.



Nave or main body of the Chapel, looking toward the Chancel.

The Tower contains a Carillon of fifty bells.

An edifice which dominates the entire campus; its Tower rises 210 feet.

The Sarcophagi of Benjamin N. Duke, Washington Duke, and James B. Duke



Pleasant Scenes in Spring



One view of the Duke Hospital.



Colonnade of the University Union.



A weeping
view of
the West
side of
the main
Quadrangle.



One of Science group; the Biology building.



A woodland path close by the University Chapel.



Another view of Duke Hospital

INTRAMURAL

Every student, under the University's extensive intramural athletic program, is expected to participate in several of many forms of athletics. This intramural program calls for games between classes, fraternities, houses, and other groups.

PUBLICATIONS

Work on the various student publications appeals to many. These include the Chronicle, semi-weekly newspaper; the Archive, monthly literary magazine; the Chanticleer, the Duke annual; and Duke 'n' Duchess, monthly humor magazine.

DRAMATICS

Dramatics hold the interest of many. The Duke Players give performances from time to time.

MUSIC

In the realm of music there is much both for student singers and instrumentalists. Also there are special musical programs by noted artists. And the University's own carillon and chapel organ never cease to appeal to the music-lovers on the campus.

SOCIAL

There is a complete building on each campus devoted largely to social and recreational uses—the Union.

CHAPEL SERVICES

Preaching services in the University Chapel each Sunday morning during the academic year draw hundreds of students. Many opportunities for the development of leadership are afforded by the "Y" organizations and the student government groups.

"ORIENTATION WEEK"

A special "Orientation Week" for freshmen is observed at the opening of each academic year. This special week, in connection with the 1942-1943 academic year, opened on September 10 and freshmen were entered in the fall semester then. The Formal Opening of the fall semester, 1942-1943, was on September 16.



Thrilling moment in Football Game in Duke Stadium



Entrance to
House "A"
in the
Craven
group.

The
General Library,
where part of
the 601,000
Duke volumes
are housed.



Right (above) the Union, Kilgo House, "Clock Tower"; middle a part of
Crowell House; below classroom buildings (Gray and School of Religion).



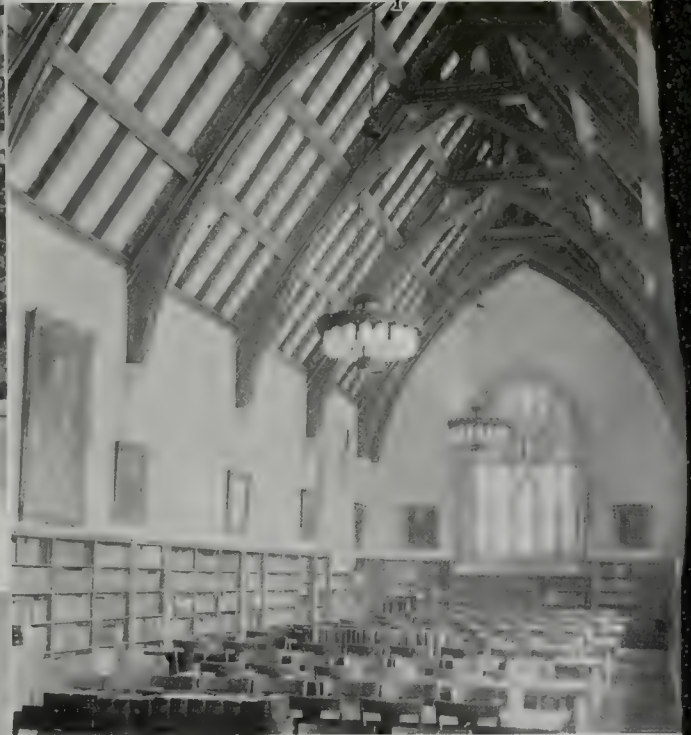
A Place to Work
A Place to Play
A Place to Live



Gothic Atmosphere Pervades West Campus



Gateway to the University Campus.



The reference room of the General Library.



Towers, arches, trees, green lawns—a Quadrangle view.

The students' campus home—
the dormitory section.

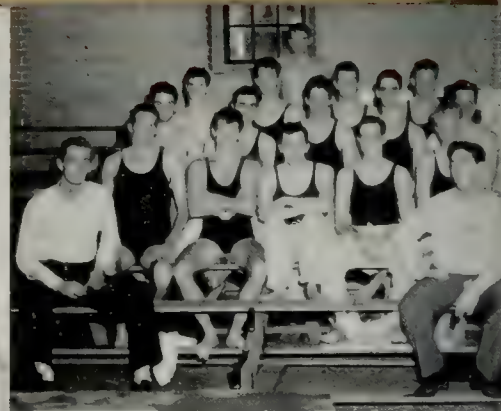


An impressive entrance to the Medical School.

Varsity Teams Have Good Record In Intercollegiate Sports



The Tennis team has been consistently good



Duke's Swimmers have turned in good records



Members of the Track squad are versatile performers



Two Duke Football teams
have played in the
Rose Bowl



The 95-Piece Duke Band lends color to football games



Lacrosse is one of the
newer Duke Varsity
Sports

Duke's Golf team has one of the
best records in the nation



The Soccer team meets some
of the East's best teams



Duke Baseball teams have produced
many star players



Southern Conference Basketball
Champions, 1942



One of the ten sorority rooms, Pan-Hellenic House,
Woman's College Campus

EXPENSES

Regarding undergraduate expenses, a minimum of \$589.50 for the following necessary items of expense incident to an entire academic year at Duke University in the undergraduate colleges is possible. The figures given below, however, represent maximum, and not minimum, costs:

*For an Entire
Academic Year*

Tuition	\$200.00
Matriculation	50.00
Room Rent	\$100.00 to 125.00
Board	240.00
Athletic Fee	10.00
Damage Fee	1.00
Medical Fee	10.00
Library Fee	10.00
Commencement Fee	3.00
Publications Fee	5.50

\$654.50

Books, laundry and necessary incidental expenses are variable and cannot be figured so readily. Adding to the above figures a reasonable amount for those items, the total of necessary expenses of all kinds for an academic year can be kept well within the sum of \$750, using the most liberal basis of figuring expenses in the few items where variations are possible. In the case of a student whose room rent is \$100, the total of all necessary expenses will come within \$725, instead of \$750.

ATHLETICS

Duke University has long enjoyed a reputation for having outstanding athletic teams—and the squads which represented Duke in 1941-42 did much to enhance that reputation. The football team ranked with Minnesota at the top of the national gridiron heap, finishing the regular season undefeated and untied. The Blue Devils appeared in the transplanted Rose Bowl game on Jan. 1, 1942, playing host in their own stadium to Oregon State and staging a brilliant exhibition, although the West Coast team triumphed in a thrilling contest, 20-16. Steve Lach, hard-running wingback, was first choice on most of the leading All-America selections for 1941. The basketball team annexed the Southern Conference championship for the second successive year and the track squad, Conference outdoor champion in 1941, finished second in the annual Indoor Games; the swimming team was runner-up in the Conference meet, producing an individual titleholder in Gene Schuman, who captured the 220- and 400-meter free style events. Wendell Lockwood won the individual crown in the Conference cross-country meet in 1941. Seasons of notable success were likewise enjoyed by the baseball, wrestling, lacrosse, soccer and tennis teams. A record number of students took part in the University's diversified program of intramural athletics. Opportunity for participation in the following sports is offered each Duke student: touch football, tennis, track, basketball, wrestling, boxing, swimming, water polo, golf, softball, handball, volleyball, badminton, horseshoes, field hockey, gymnastics, soccer and shuffleboard.



Section of Art Exhibit in Library, Woman's College Campus

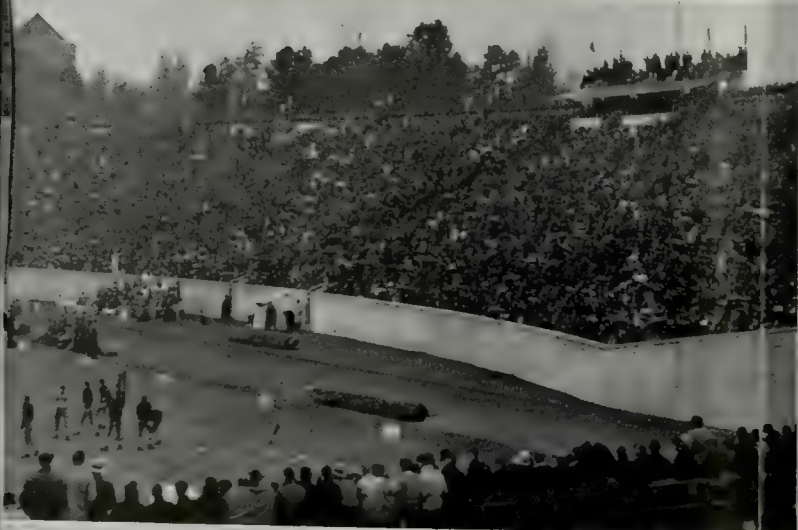


Eight hundred Alumni banqueting in the University Union.

The "Milling Throng" and Quiet Gardens on the Same Campus



Physical education and special gymnasium classes make the University Gymnasium one of the busy campus spots throughout the day.

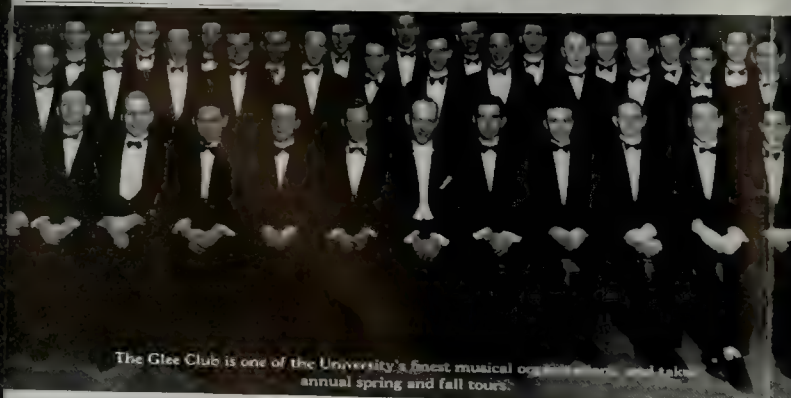


Largest crowd in history of football in the South, more than 40,000 persons, witnessing the Duke-Carolina game of 1935 in the Duke Stadium. Duke won, 25-0.

The Gymnasium is equipped with a swimming pool and apparatus for every form of exercise.



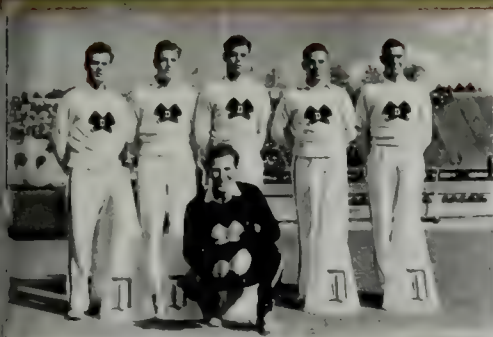
There are many thousands of iris bulbs and other floral plants in the eight-acre Sarah P. Duke Gardens.



The Glee Club is one of the University's finest musical organizations and takes annual spring and fall tours.



The Chapel at the end of the woods bordering the gardens.



Here are the cheer leaders who are prominent at every athletic event.

The University Chapel Choir poses on the steps of the chapel.



There's an Activity for Every Interest on the Duke Campuses



A close finish at one of the varsity track meets.

An interesting musical feature are the regular carillon recitals. This is a scene at an evening recital.



And here's one of the most exciting moments of the college year—the kick-off at an important football game.

There is a flag-raising ceremony to open the year at the Woman's College.



A little horse-play enlivens things on the campus. This is an initiation scene.



The raising of the flag is a traditional ceremony that marks the beginning of each academic year.

Dramatic and musical talent are combined to stage colorful operettas.



For the graduating classes this scene is one of prime importance—commencement.





Air View of the East, or Woman's College, Campus

Aero-Graphic Corp. Photo

The Woman's College Campus



The Quadrangle, toward the Auditorium. Most of the college buildings are of Georgian architecture.



A Gateway.
A granite wall surrounds the entire campus.



Left: A glimpse of two of the Dormitories.



View of portion of Quadrangle. Columns of the Union at the right.



One of the College Union Dining Halls.

The Women's Campus is Attractive. Throughout the Year



The College Auditorium is at the head of the large Quadrangle.



Classes of the College have cooperated in improving the landscape



Grounds of the Woman's College are loved by students, admired by visitors



In addition to a fine collection of books, the College Library has a notable art collection



East Duke Building. One of the Trinity College buildings prior to 1925

Annie Roney Fountain, one of the oldest campus landmarks

Students in the Woman's College are Active Indoors and Out



One of the beautiful parlors of East
Duke building.



A class Soccer team.



A Riding class.



The "Chorus" in
an Operetta.



Girls leaving the Auditorium after the morning assembly.



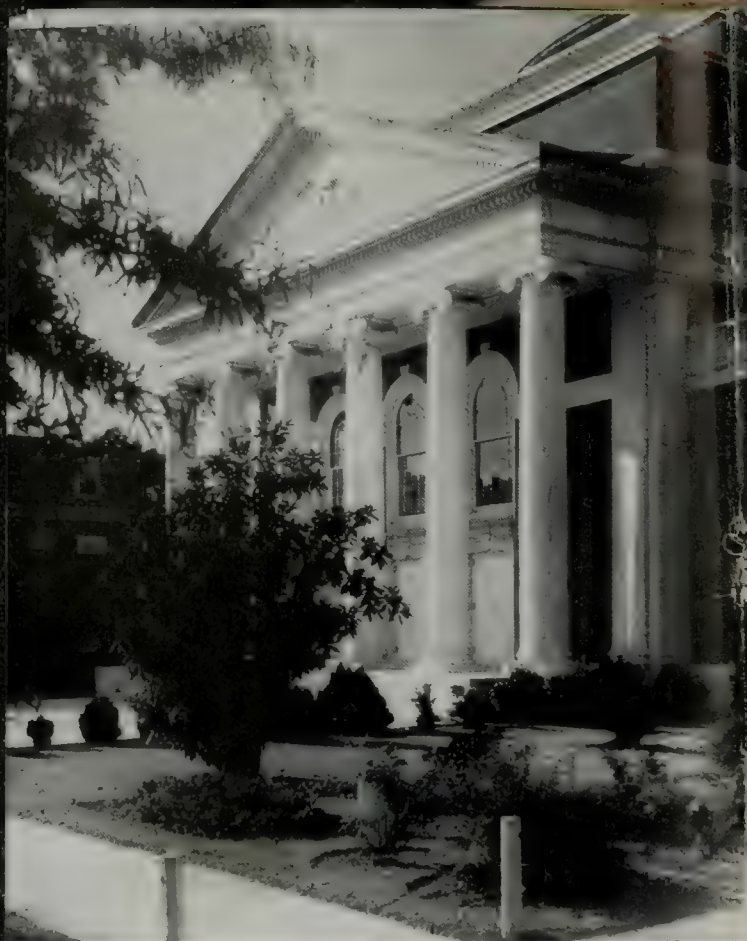
Each spring the May Day Festival is witnessed by thousands. The college lawn
makes an ideal setting for the coronation.



Girls, as well as their "dates", enjoy the bowling alleys of the Ark,
the college recreation center.

One of the most popular spots on the campus is the Memorial Gymnasium.
The women students also have a swimming pool of their own.





"Close-up" photograph of front of Woman's College Auditorium, representative of Georgian Architecture on the East Campus. This is in striking contrast to the Tudor Gothic on the West Campus, as illustrated by the "clock tower" dormitory view on the front cover.

ADMISSION—HOW TO APPLY

Those applying for admission to Trinity College and the College of Engineering, the undergraduate colleges for men, should address the Secretary, Duke University, Durham, N. C.; applications for admission to the Woman's College should be directed to the Committee on Admissions, College Station, Durham, N. C.

For bulletins of the Undergraduate Colleges, or the Graduate and Professional Schools, address:

The Secretary, Duke University,
Durham, N. C.



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The School of Nursing
1942-1943



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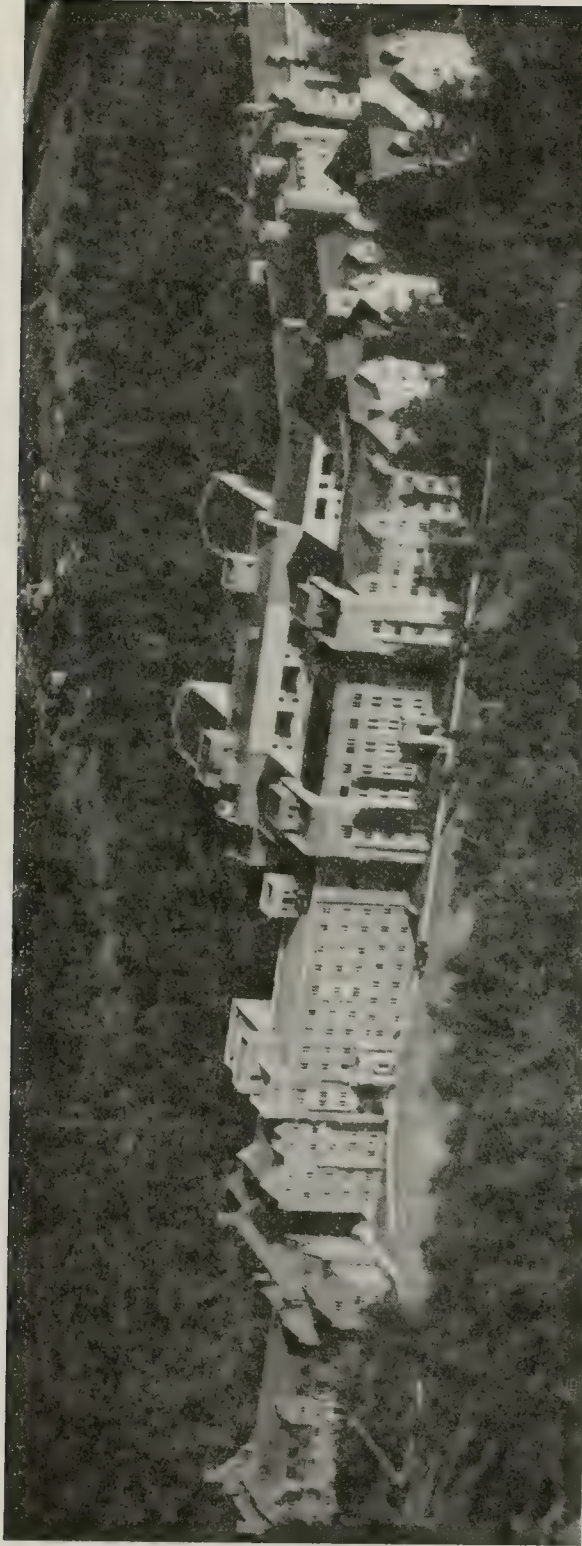
BULLETIN
OF
DUKE UNIVERSITY

THE SCHOOL OF NURSING



1942-1943

DURHAM, NORTH CAROLINA
1942



NURSES' HOME
238 Beds

NEW WING
HOSPITAL
114 Beds
Private Diagnostic
Clinic

MAIN HOSPITAL
490 Beds

SCHOOL OF NURSING
190 Students

PUBLIC CLINIC
100,000 Visits
Yearly

MEDICAL SCHOOL
266 Students

FOREWORD

This bulletin is issued for prospective students of nursing. Admissions into any class are made only on the understanding that every decision of the School of Nursing Curriculum Committee shall apply to all students, even though it is made subsequently to their enrollment in the School. At frequent intervals the Committee reviews the records of all students, and those whose progress has been unsatisfactory may be required to leave the School. ONLY THOSE WILL BE ADVANCED WHO, IN THE OPINION OF THE COMMITTEE, GIVE PROMISE OF BEING A CREDIT TO THEMSELVES AND TO THE SCHOOL.

SCHOOL OF NURSING AND HOSPITAL CALENDAR 1942-1943

1942

- Oct. 5. Monday—Autumn Quarter begins.
Nov. 26. Thursday—Thanksgiving : a holiday.
Dec. 19. Saturday—Autumn Quarter ends.

1943

- Jan. 7. Thursday—Winter Quarter begins.
March 24. Wednesday—Winter Quarter ends.
April 1. Thursday—Spring Quarter begins.
April 26. Easter Monday : a holiday.
May 22. Saturday—Commencement.
June 16. Wednesday—Spring quarter ends.
July 8. Thursday—Summer Quarter begins.
Sept. 6. Monday—Labor Day : a holiday.
Sept. 22. Wednesday—Summer Quarter ends.
Oct. 7. Thursday—Autumn Quarter begins.
Nov. 25. Thursday—Thanksgiving : a holiday.
Dec. 22. Wednesday—Autumn Quarter ends.

1944

- Jan. 27. Tuesday—Winter Quarter begins.

CURRICULUM COMMITTEE OF SCHOOL OF NURSING

FREDERIC MOIR HANES, A.B., A.M., M.D.

Professor of Medicine

WILLIAM ALEXANDRE PERLZWEIG, B.S., A.M., Ph.D.

Professor of Biochemistry

MARGARET ISABEL PINKERTON, R.N., B.S.

Dean and Professor of Nursing Education

ELIZABETH COKER McINTOSH, A.B., R.N., B.S.

Assistant Professor of Nursing Education

FACULTY OF THE SCHOOL OF NURSING

MARGARET ISABEL PINKERTON, R.N., B.S.

Dean of the School of Nursing and Professor of Nursing Education

Diploma, University of Virginia Hospital School of Nursing, 1927; Assistant Superintendent of Nurses, Stuart Circle Hospital, Richmond, Va., 1928-30; Hostess, University of Virginia Hospital, 1930-31; Assistant Superintendent of Nurses, University of Virginia Hospital, 1931-35; B.S. in Nursing Education, Teachers College, Columbia University, 1936; Nursing Arts Instructor, Washington University School of Nursing, St. Louis, Mo., 1936-37; Superintendent of Nurses, Barnes Hospital, 1938-39; *Dean of the School of Nursing and Professor of Nursing Education, 1939—*.

ELIZABETH COKER McINTOSH, A.B., R.N., B.S.

Assistant Professor of Nursing Education

A.B., Scarritt College, Nashville, Tenn., 1930; Diploma, Philadelphia General Hospital, Philadelphia, Pa., 1933; Head Nurse, Philadelphia General Hospital, 1933-34; Assistant Superintendent of Nurses and Instructor, Changchow General Hospital, China, 1936-39; Assistant Superintendent of Nurses and Supervisor, Huchow General Hospital, China, 1939-40; B.S., University of Pennsylvania, 1941; Assistant Science Instructor, Duke Hospital, Durham, N. C., 1941-42; *Assistant Professor of Nursing Education, 1942—*.

JULIA ELIZABETH WHITE, A.B., R.N.

Chief Nurse 65th General Hospital

A.B., Newberry College, Newberry, S. C., 1927; Diploma, Johns Hopkins Hospital School of Nursing, 1930; Head Nurse, Assistant Night Supervisor, Harriet Lane Home, Johns Hopkins Hospital, 1930-32; Assistant Night Supervisor, Duke Hospital, 1933-36; First Assistant to the Dean, 1936-42; *Chief Nurse 65th General Hospital, 1942—*.

LOTTIE C. CORKER, R.N.

First Assistant to the Dean

Brenau College, Gainesville, Ga., 1913-14; Diploma, Piedmont Hospital School of Nursing, Atlanta, Ga., 1918; Public Health Nurse, Health Department, Atlanta, Ga., 1919-20; Head Nurse, Bellevue Hospital, New York, 1920; Postgraduate work, Bellevue Hospital, New York, 1921; Private Nursing, Atlanta, Ga., 1922; Instructor and Assistant Superintendent of Nurses, Memorial Hospital, Montgomery, Ala., 1923; Superintendent of Nurses, Memorial Hospital, Montgomery, Ala., 1924-27; Supervisor, South Highlands Infirmary, Birmingham, Ala., 1928-29; Superintendent of Nurses and Instructor, City Hospital, Columbus, Ga., 1930-32; Instructor, Roanoke Rapids Hospital, Roanoke Rapids, N. C., 1933; Superintendent of Nurses, Roanoke Rapids Hospital, Roanoke Rapids, N. C., 1934; University of North Carolina, Chapel Hill, N. C., 1935; Superintendent of Nurses, Rex Hospital, Raleigh, N. C., 1935-42; State College, Raleigh, N. C., 1940; *First Assistant to the Dean, 1942—*.

VERA THOMAS McCULLOCH, R.N.

Second Assistant to the Dean

Diploma, Duke University School of Nursing, 1935; General Duty, 1935-36; Head Nurse, Men's Surgical Ward, 1936-40; Instructor in Surgery and Supervision of Surgical Nursing, 1940-41; *Second Assistant to the Dean, 1941—*.

HILDA CLAIRE BURNHAM, R.N.

Instructor in Principles and Practice of Nursing

Johns Hopkins University, 1925-27 and 1932-34; Diploma, Johns Hopkins Hospital School of Nursing, 1930; Head Nurse, Isolation Ward, Johns Hopkins Hospital, 1930-31; Assistant Night Supervisor, Johns Hopkins Hospital, 1931-33; Night Supervisor, Osler Medical Clinic, Johns Hopkins Hospital, 1933-34; Assistant Supervisor and Ward Instructor, Osler Medical Clinic, Johns Hopkins Hospital, 1934-37; Medical Supervisor and Instructor in Medicine, Duke Hospital, 1937-39; Second Assistant to the Dean, 1939-40; *Instructor of Principles and Practice of Nursing, 1940—*.

MARION FRANCES BATCHELDER, R.N.

Instructor in Operating Room Technique, Supervisor of the Operating Room

Diploma, Peter Bent Brigham Hospital School of Nursing, Boston, Mass., 1920; Head Nurse, 1921-23; Supervisor of Operating Room, Peter Bent Brigham Hospital, 1923-27; Head Nurse, Operating Room, Johns Hopkins Hospital, 1927-30; *Supervisor of Operating Room, 1930—.*

MILDRED M. SHERWOOD, R.N.

Instructor in Pediatrics and Supervisor of Pediatric Service

Diploma, Mount Sinai Hospital, New York City, 1923; Head Nurse, Mount Sinai Hospital, 1923-26; Head Nurse, Johns Hopkins Hospital, 1926-30; *Instructor in Pediatrics and Supervisor of Pediatric Service, 1930—.*

PAULINE A. MARTIN, R.N.

Instructor in Obstetrics and Gynecology and Supervisor of Obstetrical and Gynecological Service

Diploma, Duke University School of Nursing, 1937; Head Nurse, Obstetric and Gynecological Ward (White), 1937-39; Head Nurse, Obstetric and Gynecological Ward (Colored), 1939-41; *Instructor and Supervisor of Obstetrics and Gynecology, 1941-42. Leave of absence, 1942—.*

RUTH ALEXANDER WILSON, R.N., B.S.

Instructor in Obstetrics and Gynecology and Supervisor of Obstetrical and Gynecological Service

Mitchell College, Statesville, N. C., 1934-36; Diploma, Duke University School of Nursing, 1939; B.S., Duke University School of Nursing, 1940; Assistant Head Nurse, Colored Medical and Surgical Ward, Duke Hospital, 1939-40; Nurses' Corps, United States Navy, 1941; *Instructor and Supervisor of Obstetrics and Gynecology, 1942—.*

ANNA INGRAM, R.N.

Instructor in Medical Nursing and Supervisor of Medical Service

Salem College, Winston-Salem, N. C., 1915-17; Diploma, Children's Hospital School of Nursing, 1925; Private Nursing, Washington, D. C., 1925-30; Private Nursing, North Carolina, 1935-40; Science Instructor and Nursing Arts Instructor, Mary Elizabeth Hospital, Raleigh, N. C., 1941-42; *Instructor in Medical Nursing and Medical Supervisor, 1942—.*

ROSABELLE WEHUNT, R.N.

Instructor in Surgery and Supervisor of Surgical Service

Diploma, Duke University School of Nursing, 1936; Assistant Head Nurse, Duke Hospital, 1936-37; Head Nurse, Women's Surgical Ward, 1937-41; University of North Carolina, 1937 and 1940; Teachers College, Columbia University, 1941; *Instructor in Surgery and Supervisor of Surgical Nursing, 1941—.*

MARGARET BELLE BINKLEY, R.N., B.S.

First Assistant Science Instructor

Diploma, University of Pennsylvania Hospital, Philadelphia, Pa., 1937; Operating Room Nurse, University Hospital, Cleveland, Ohio, 1937-39; Louisiana State University, 1939-40; Private Duty, Cleveland, Ohio, 1941; B.S., University of Pennsylvania, 1942; *First Assistant Science Instructor, 1942—.*

MARGARET FLANAGAN DULIN, R.N.

Second Assistant Science Instructor

Diploma, Duke University School of Nursing, 1941; Assistant Head Nurse, Women's Surgical Ward, 1941-42; Assistant Head Nurse on Psychiatric Ward, 1942; *Second Assistant Science Instructor, 1942—.*

ANNE KATHARINE SCOTT BLAND, B.M., R.N.

First Assistant to the Instructor in Principles and Practice of Nursing

B.M., Flora Macdonald College, Red Springs, N. C., 1936; Diploma, Johns Hopkins Hospital School of Nursing, 1939; Head Nurse in Harriet Lane Home, Johns Hopkins Hospital, Baltimore, Md., 1939-41; Second Assistant to the Instructor in Principles and Practice of Nursing, 1941-42; *First Assistant to the Instructor in Principles and Practice of Nursing, 1942—.*

DOROTHY EUGENIA RICHARDS, R.N., B.S.

Second Assistant to the Instructor in Principles and Practice of Nursing

Queens-Chicora College, Charlotte, N. C., 1930-31; Mitchell College, 1931-32; Diploma, B.S. in Nursing, Duke University School of Nursing, 1939; Assistant Head Nurse on Women's Surgical Ward, 1939-41; Head Nurse on Women's Surgical Ward, 1941-42; University North Carolina, 1941; *Second Assistant to the Instructor in Principles and Practice of Nursing, 1942—.*

DARE HARTLEY, R.N., B.S.

Third Assistant to the Instructor in Principles and Practice of Nursing

Lees-McRae College, Banner Elk, N. C., 1934-36; Diploma and B.S. in Nursing, Duke University School of Nursing, 1941; *Third Assistant to the Instructor in Principles and Practice of Nursing, 1941—.*

BETTY ELAINE STEIGLEMAN, R.N.

Fourth Assistant to the Instructor in Principles and Practice of Nursing

Diploma, Duke University School of Nursing, 1942; *Fourth Assistant to the Instructor in Principles and Practice of Nursing, 1942—.*

AUGUSTA LAXTON, R.N., B.S.

Night Supervisor

B.S., Florida State College for Women, Tallahassee, Fla., 1921; Diploma, Johns Hopkins Hospital School of Nursing, 1926; District Nurse, Co-operative Nursing Association, Charlotte, N. C., 1928-30; Night Supervisor, Duke Hospital, 1930-36; Head Nurse, Maternity Clinic, Charlotte, N. C., 1936-39; *Night Supervisor, 1939—.*

ELSIE GERTRUDE MOSS, R.N.

First Assistant to the Night Supervisor

Diploma, Philadelphia General Hospital, Philadelphia, Pa., 1935; Staff Nurse, Duke Hospital, 1935-41; Second Assistant to the Night Supervisor, 1941-42; *First Assistant to the Night Supervisor, 1942—.*

NORMA LEE HARRINGTON, R.N.

Second Assistant to the Night Supervisor

Diploma, Davis Hospital School of Nursing, Statesville, N. C., 1938; General Duty, Dula Hospital, Lenoir, N. C., 1938-39; General Duty, Duke Hospital, 1939-42; *Second Assistant to the Night Supervisor, 1942—.*

D. MAYME YATES, R.N.

Second Assistant to the Night Supervisor

Diploma, Grace Hospital School of Nursing, Banner Elk, N. C., 1938; General Duty, Duke Hospital, 1938-42; *Second Assistant to the Night Supervisor, 1942—.*

MARY J. ALLRED, R.N., B.S.

Health Nurse

Florida State College for Women, Tallahassee, Fla., 1937-39; Diploma, B.S. in Nursing, Duke University School of Nursing, 1942; *Health Nurse, 1942—.*

OLIVE HARDING, R.N.

Assistant Supervisor of the Operating Room

Carson-Newman College, Jefferson City, Tenn., 1918-21; Diploma, Kings Mountain Memorial Hospital, Bristol, Va., 1929; Valparaiso University, Valparaiso, Ind., 1923; Night Supervisor, Marsh Hospital, Kingsport, Tenn., 1929; Postgraduate Course in Operating Room, Cook County Hospital, Chicago, Ill., 1930; General Duty, Duke Hospital, 1930-34; Head Nurse in Operating Room, 1934-42; *Assistant Supervisor of the Operating Room, 1942—.*

DORIS SAWYER, R.N.

Supervisor of Nursing Service in Dispensary

Diploma, Roanoke Rapids School of Nursing, Roanoke Rapids, N. C., 1933; Supervisor, Surgical Department, 1934; Postgraduate Work, St. Elizabeth's Hospital, Washington; Postgraduate Work, Lying-In Hospital, Providence, R. I., 1935; General Duty, Duke Hospital, 1936-40; *Supervisor of Nursing Service in Dispensary, 1940—.*

HEAD NURSES

AGATHA INEZ O'BRIENT, R.N.

Head Nurse on Private Medical Ward

Diploma, Davis Hospital School of Nursing, Statesville, N. C., 1936; Assistant to X-Ray Technician, Davis Hospital, Statesville, N. C., 1936-37; General Duty, Duke Hospital, 1937-41; Assistant Head Nurse, Private Medical Ward, Duke Hospital, 1941-42; *Head Nurse on Private Medical Ward, 1942—.*

EDITH MARY WEINTZ, R.N., B.S.

Head Nurse on Women's Medical Ward

Duke University; Diploma and B.S. in Nursing, Duke University School of Nursing, 1942; *Head Nurse on Women's Medical Ward, 1942—.*

FRANCES M. KLEIN HENDERSON, R.N.

Head Nurse on Men's Medical Ward

Diploma, Duke University School of Nursing, 1934; General Duty, 1934-35; Assistant Head Nurse, 1935-36; Head Nurse, Duke Hospital, 1936-37; General Duty, Emergency Hospital, Washington, D. C., 1937-38; *Head Nurse, Men's Medical Ward, 1938—.*

EDITH V. BRYANT, R.N., B.S.

Head Nurse on Colored Medical and Surgical Ward

Elon College, Elon College, N. C., 1936-38; Diploma, B.S. in Nursing, Duke University School of Nursing, 1941; Assistant Head Nurse, Men's Surgical Ward, 1941-42; Head Nurse, Men's Surgical Ward, 1942; *Head Nurse on Colored Medical and Surgical Ward, 1942—.*

JULIA JANE BRADSHAW, R.N.

Head Nurse on Private Surgical Ward

North Carolina College for Women, Greensboro, N. C., 1919-20; Diploma, Duke University School of Nursing, 1934; Assistant Head Nurse, Medical Ward, 1934-36; *Head Nurse, Private Surgical Ward, 1936—.*

GRACE SHIELDS, R.N.

Head Nurse on Private Surgical Ward

Diploma, Memorial Hospital, Danville, Va., 1930; Private Duty, 1930-31; General Duty, Duke Hospital, 1931-35; Assistant Head Nurse on Private Surgical Ward, 1935-40; *Head Nurse on Private Surgical Ward, 1940—.*

DELANA GILLIS ADKINS, R.N.

Head Nurse on Private Medical Floor

Diploma, The King's Daughters Hospital, Portsmouth, Va., 1936; Staff Nurse, Duke Hospital, 1936-41; *Head Nurse on Private Medical Ward, 1941—.*

SARAH MCCOLLUM, R.N.

Head Nurse on Women's Surgical Ward

Diploma, Duke University School of Nursing, 1942; *Head Nurse on Women's Surgical Ward, 1942—.*

ANNIE LAURIE KING, R.N.

Head Nurse on Women's Surgical Ward

Diploma, Rex Hospital, Raleigh, N. C., 1939; General Duty, Duke Hospital, 1939-41; Assistant Head Nurse on Women's Surgical Ward, 1941-42; *Head Nurse on Women's Surgical Ward, 1942—.*

MARION C. WHITENER, R.N.

Head Nurse on Men's Surgical Ward

Limestone College, Gaffney, S. C., 1936-38; Diploma and B.S. in Nursing, Duke University School of Nursing, 1941; Assistant Head Nurse, Men's Medical Ward, 1942; *Head Nurse, Men's Surgical Ward, 1942—.*

TWILA QUARLES POPE, R.N.

Head Nurse on Obstetric Ward

Diploma, North Carolina State Sanatorium, Sanatorium, N. C., 1940; General Duty, Duke Hospital, 1940-42; Assistant Head Nurse on Obstetric Ward, 1942; *Head Nurse on Obstetric Ward, 1942—.*

OLLIE MAE SMITH, R.N.

Head Nurse on Obstetric and Gynecological Ward

Diploma, Marshall Lodge Memorial Hospital, Lynchburg, Va., 1930; General Duty, Duke Hospital, 1930-31; Assistant Head Nurse, Obstetric and Gynecological Ward, Duke Hospital, 1931-33; Staff Nurse, Sharon Hospital, Sharon, Conn., 1934-35; Private Nursing, Durham, N. C., 1935-36; Office Nursing, Duke Hospital, 1937-41; *Head Nurse, Obstetric and Gynecological Ward, 1941—.*

LEONE B. ANDERSON, R.N.

Head Nurse on Isolated Obstetric and Gynecological Ward

Diploma, Watts Hospital School of Nursing, Durham, N. C., 1940; General Duty, Duke Hospital, 1940-42; *Head Nurse on Isolated Obstetric and Gynecological Ward, 1942—.*

THERESA ELIZABETH HORTON, R.N., B.S.

Head Nurse on Colored Obstetric and Gynecological Ward

Catawba College, Salisbury, N. C., 1936-38; Diploma and B.S. in Nursing, Duke University School of Nursing, 1941; P.R.N. Day Duty, 1941-42; *Head Nurse on Colored Obstetric and Gynecological Ward, 1942—.*

LOLA E. PAGE, R.N.

Head Nurse in Nursery

Diploma, Baptist Hospital, Winston-Salem, N. C., 1929; Postgraduate Work, Lying-In Hospital, New York, 1930; Private Duty, Raleigh, 1931-32; Assistant Head Nurse, Nursery in Duke Hospital, 1932-37; *Head Nurse in Nursery, 1937—.*

MARY ALICE MOORE, R.N., B.S.

Head Nurse on Men's Surgical Ward

Madison College, Harrisonburg, Va., 1937-39; Diploma and B.S. in Nursing, Duke University School of Nursing, 1942; *Head Nurse on Men's Surgical Ward, 1942—*.

ANNE CUPITT, R.N.

Head Nurse in Delivery Room

Bucknell University, 1935-37; Diploma, University of Pennsylvania Hospital, 1941; General Duty, Duke Hospital, 1941-42; *Head Nurse in Delivery Room, 1942—*.

ELIZABETH BOWSER RODGER, R.N.

Head Nurse on Psychiatric Ward

Diploma, Scranton State Hospital, Scranton, Pa., 1936; Private Duty, 1936-37; Office Assistant, Scranton State Hospital, Scranton, Pa., 1937-40; Postgraduate Course in Psychiatry, Highland Hospital, Asheville, N. C., 1940-41; *Head Nurse, Psychiatric Ward, 1941—*.

FACULTY MEMBERS SERVING WITH DUKE UNIT

1st Lt. Julia Elizabeth White, Chief Nurse

2d Lt. Nannie Sue Chilton

2d Lt. Mary Louise Lineberger

2d Lt. Lauren Harris Rearden

MEMBERS OF OTHER FACULTIES OF THE UNIVERSITY GIVING INSTRUCTION

WILBURT CORNELL DAVISON, A.B., M.A., M.D.....	Pediatrics
SUSAN COONS DEES, A.B., M.S., M.D.....	Pediatrics
ANGUS MCBRYDE, B.S., M.D.....	Pediatrics
JAY MORRIS ARENA, B.S., M.D.....	Pediatrics
CHARLOTTE FRISCH WALKER, M.D.....	Pediatrics
HELGE LUNDHOLM, Ph.D.....	Psychology
HAYWOOD MAURICE TAYLOR, B.S., M.S., Ph.D.....	Chemistry
BAYARD CARTER, A.B., B.S., M.A., M.D.....	Obstetrics and Gynecology
LENOX DIAL BAKER, M.D.....	Orthopaedics
ROBERT BEVERLY RANEY, A.B., M.D.....	Orthopaedics
EDWIN PASCAL ALYEA, S.B., M.D.....	Urology
WILLIAM BANKS ANDERSON, A.B., M.D.....	Ophthalmology
WATT WEEMS EAGLE, A.B., M.D.....	Otolaryngology
THOMAS GILBERT SCHNOOR, B.S., M.D.....	Otolaryngology
NORMAN FRANCES CONANT, B.S., A.M., Ph.D.....	Bacteriology
MABEL PAGE GORDON, A.B.....	Physical Therapy
RICHARD SHERMAN LYMAN, B.A., M.D.....	Neuropsychiatry
ROBERT JAMES REEVES, A.B., M.D.....	Roentgenology
JASPER LAMAR CALLAWAY, B.S., M.D.....	Dermatology and Syphilology
KARL ARDEN YOUNGSTROM, A.B., A.M., Ph.D.....	Anatomy
FREDERIC MOIR HANES, A.B., A.M., M.D.....	Medical Diseases
CHRISTOPHER JOHNSTON, A.B., M.D.....	Medical Diseases
WILLIAM MCNEAL NICHOLSON, A.B., M.D.....	Medical Diseases
JAMES PAISLEY HENDRIX, B.S., M.A., M.D.....	Medical Diseases
EDWARD STEWART ORGAIN, M.D.....	Medical Diseases
JULIAN MEADE RUFFIN, A.B., M.A., M.D.....	Deficiency Diseases
ELIJAH EUGENE MENEFFEE, JR., B.S., M.D.....	Medical Diseases
OSCAR CARL EDVARD HANSEN-PRÜSS, A.B., M.D.....	Allergy
DERYL HART, A.B., A.M., M.D.....	General Surgery

KEITH SANFORD GRIMSON, B.A., B.S., M.D.....	<i>General Surgery</i>
DURWARD LEE LOVELL, M.D.....	<i>General Surgery</i>
BARNES WOODHALL, A.B., M.D.....	<i>Neurosurgery</i>
ROBERT GLEVE NEILL, A.B., M.A., M.D.....	<i>Neurosurgery</i>
HENRY IRVING KOHN, A.B., Ph.D.....	<i>Physiology</i>
HAROLD WILLIAM BROWN, A.B., M.S., Sc.D., Dr.P.H., M.D....	<i>Public Health</i>
RUTH W. HAY, R.N., B.S., M.A.....	<i>Public Health Nursing</i>
MARGARET BLEE, R.N., B.S., M.A.....	<i>Public Health Nursing</i>
JOHN SAEGER BRADWAY, A.B., A.M., LL.B.....	<i>Legal Aspects of Nursing</i>
RUTH ELIZABETH BARKER, A.B., M.S.....	<i>Medical Social Service</i>
JULIA REBECCA GROUT, A.B., M.S.....	<i>Physical Education</i>

REGIONAL REPRESENTATIVES

- Miss Clara Dennison, Director of School of Nursing, Strong Memorial Hospital, Rochester, N. Y.
- Miss Laura M. Grant, Associate Professor, Yale School of Nursing, New Haven Hospital, New Haven, Conn.
- Mrs. Cora Hodges, Superintendent of Nurses, Florida East Coast Hospital, St. Augustine, Fla.
- Miss Ruth Ingram, Director, School of Nursing, Touro Infirmary, New Orleans, La.
- Mrs. Helen Lehman, Dean of Nursing, Baylor University, Waco, Tex.
- Miss Arta Lewis, Director, School of Nursing, Mary Lanning Hospital, Hastings, Neb.
- Miss Margaret Anne March, 350 McDonald Avenue, Mobile, Ala.
- Miss Marcia Mayfield Mathews, Harris Apartments, Van Buren Avenue, Oxford, Miss.
- Miss Sena Peterson, Superintendent of Nurses, Swedish Hospital, Minneapolis, Minn.
- Miss Ardena Reber, Instructor in Nursing Arts, Western Reserve School of Nursing, Cleveland, Ohio.

THE SCHOOL OF NURSING

GENERAL INFORMATION

The School of Nursing of Duke University was established in 1925 in connection with the School of Medicine of the University and Duke Hospital through the munificent gift of the late James B. Duke.

The plan of the School is to give a sound basic course in Nursing Education which will prepare young women to give intelligent nursing care to the sick in hospitals and homes of the community as well as an introduction to the problems of community health and preventive medicine.

The administration of the School is in the hands of the Curriculum Committee of the School of Nursing, under the general direction of the Executive Committee of the Schools of Nursing and Medicine.

FACILITIES OF THE HOSPITAL

Duke Hospital has every modern convenience for the diagnosis, proper care, welfare, and comfort of patients, both private and charity, white and colored, whether they come from Durham or from a distance. It has 604 beds, including 50 bassinets for newly born infants. *Medicine*, including dermatology and neurology, has 75 ward beds; *surgery*, including urology, otolaryngology, ophthalmology, and orthopaedics, 143 ward beds; *obstetrics*, including *gynecology*, 56, and 50 bassinets; *neuropsychiatry*, 23; and *pediatrics*, 52. There are 205 private rooms and semiprivate cubicles, 7 air-conditioned operating rooms, and 4 obstetric delivery rooms. Offices and examining rooms for the members of the Medical Faculty are located in the Hospital. The Hospital has been approved for internships and residencies by the Council on Medical Education and Hospitals of the American Medical Association.

Through the generosity of Dr. Robert S. Carroll, the Highland Hospital, Asheville, North Carolina, has been presented to the University to form a therapeutic division of the Department of Psychiatry. Dr. Carroll will continue as Director of Highland Hospital. The School of Nursing at Highland Hospital offers training for those who wish to prepare themselves for psychiatric nursing. Those interested should apply to Dr. Robert S. Carroll, Highland Hospital, Asheville, North Carolina.

FACILITIES FOR INSTRUCTION

The facilities for instruction include the undergraduate colleges and graduate schools of the University, the School of Medicine, and Duke Hospital.

LIBRARIES

The reference library of books and periodicals of special interest to students majoring in nursing is located in the Hospital Library. An

auxiliary library, which is used chiefly by freshmen, is in the Nurses' Home. Students may use the general libraries on the East and West campuses.

RESIDENCE

The students are housed in the fireproof residence located near the Hospital. It is adequately equipped with blankets and linen, making further provision by the student unnecessary.

HEALTH REGULATIONS AND PHYSICAL EDUCATION

The School has general supervision of the student's health. All physical defects, such as defective vision, dental needs, etc., must be corrected before admission to the School. The student must have been immunized against typhoid fever and vaccinated against smallpox during the current year. All students are required to pass a physical examination before admission to the School of Nursing and at intervals thereafter, a final examination being given at the end of the course. Exercises for two periods a week during the first quarter are required of all students. Students whose condition needs further observation may be admitted tentatively, but must cancel their applications if later findings prove them physically unfit for nursing. Students about whom it is decided that tonsillectomy or other surgery was indicated before admission to the School, or students under care of a private physician for some minor complaint which does not interfere with the practice of nursing but requires continued treatment, may be asked to pay for this care at the hands of the physician or surgeon of their choice.

ACTIVITIES OFFERED

Autumn Quarter (October to December): Swimming, tennis, horseback riding, and hiking.

Winter Quarter (January to March): Swimming, basketball, and horseback riding.

Spring Quarter (March to June): Tennis, swimming, and horseback riding.

ADMISSION REQUIREMENTS

Application forms may be obtained by writing to the Dean, Duke University School of Nursing, Durham, North Carolina. They must be typed, a 2 x 2½ inch recent photograph attached, and the application returned to the Dean as soon as possible. Applications are considered in the order received. If the information is satisfactory, a personal interview with the Committee or Regional Representative will be arranged for the applicant. The candidate is notified as soon as possible whether she has been accepted or declined; if accepted, the student must send in a deposit of twenty-five dollars (\$25) within two weeks to insure enrollment. This deposit is applied toward her tuition, but is not refunded if the student withdraws her application. The applicant must be within four months of her eighteenth birthday when entering the Duke School of Nursing.

The formal requirements for admission are as follows: thirty semester hours of college credit which must include the following: Chemistry (4 semester hours minimum); Zoology or Biology (4 semester hours minimum); Psychology or Sociology (3 semester hours minimum); and the remaining semester hours to be made up with English, History, Foreign Language, or Mathematics.

During the national emergency, a class is being admitted every nine months. The next entrance dates are April 1, 1943, and January 27, 1944. A temporary change has been made in the admission requirements for the duration: one-half or one-quarter year of college credit, which must include at least one semester of general college chemistry, will be accepted. If an applicant enters with this minimum requirement, she will not be eligible for the degree program until she offers the college credits formerly required for admission.

REQUIREMENTS FOR THE DIPLOMA IN NURSING AND THE DEGREE OF
BACHELOR OF SCIENCE IN NURSING

The Diploma of Graduate Nurse is awarded at the end of the three-year course. After the completion of the three-year course, those who show potentiality as leaders in the nursing profession may take work leading to the degree of Bachelor of Science in Nursing. This group is selected from each class at the end of the second clinical year. Those not selected at this time will have an opportunity for entering the degree group by passing a competitive examination at the end of the clinical program. The program for the degree is as follows:

Summer Quarter: Sociology, Psychology, or elective—6 semester hours. Ward Practice—36 semester hours per week.

Autumn, Winter, and Spring Quarters: English—6 semester hours, elective—6 semester hours, Introduction to Teaching—3 semester hours, Methods of Teaching—4 semester hours, Principles and Practice of Teaching—6 semester hours, Subject Matter Course—6 semester hours.

The subject matter course will be governed by specialties selected as follows:

Head Nursing or	{	a. Medicine and Surgery
Supervision		b. Pediatrics and Obstetrics
Teaching in	{	a. Sciences: Anatomy, Bacteriology
Nursing Schools		b. Nursing Practice: Nursing Arts

The tuition for the year of the degree program is the same as that for the three-year course. The Hospital will furnish maintenance. The student will be expected to work on the wards 28 hours per week. Because of war conditions the above program may not be put into effect in 1944, as planned. If such is the case, the Bachelor of Science degree will be awarded as formerly. This requirement was 60 semester hours of college work of a "C" average.

REQUIREMENTS OF SCHOLARSHIP FOR PROMOTION AND GRADUATION

Students are graded in their studies, which include all classes and nursing practice, on a basis of weighted quality points with an average of two quality points required for promotion without condition and for graduation. A diploma of the School is issued upon satisfactory completion of all requirements.

The following grading system has been established:

93-100—"A"—Superior	3 quality points
85-92—"B"—Above Average	2 quality points
75-84—"C"—Satisfactory	1 quality point
70-75—"D"—Re-exam	0 quality point
Below 70—"F"—Unsatisfactory (Failure).....	—1 quality point
"I"—Incomplete, given in case of absence and not because of poor scholarship.	

The scholastic standing of the student is based upon the general character of her nursing practice as well as the results of written and oral examinations, case studies, and practical tests. Reports of nursing practice are recorded regularly by the departments. Students who have an average of 90 on Theory and Practice are placed on the Dean's List.

A major warning is given to a student if her work is not of at least a satisfactory quality or "C" rating, which is required for promotion without condition.

A grade of at least "C" is required in Nursing Arts I and II. A grade of "D" in nursing practice in any major field of nursing places a student on major warning.

In case a student fails in one or not more than two subjects, she may be allowed to repeat these courses provided her record in other work is sufficiently satisfactory. A charge of \$1.00 is made for each repeat examination. If it is necessary to repeat a course, a charge of \$5.00 will be made; if a student should require special tutoring there will be a charge not to exceed \$1.00 an hour. In order to readjust her schedule to meet such difficulties, it may be necessary to increase the length of her course.

After graduation one transcript of the school record will be granted each nurse upon request without charge. Additional copies will be sent upon payment of a fee of \$1.00. Transcripts will not be issued except upon personal request of the graduate.

FEES

A yearly tuition fee of \$100.00 is required: the first year \$25.00 upon acceptance by the School, \$25.00 upon registration, and \$50.00 on October 1; the second and third years, \$50.00 on October 1 and \$50.00 on April 1. Twenty-five dollars will be refunded to students who leave the School within one month of registration. There is no charge for room, board, laundry, and uniforms. Estimated additional expenses for the first year, including textbooks, are \$30.00; for the second, \$15.00; and for the third, \$15.00. There are a graduation fee of \$8.00; a room key deposit of \$1.00;

a publications fee of \$5.00; a fee of \$4.50 before admission for pre-entrance tests.

LOAN FUND

Through the generosity of the Kellogg Foundation, loan funds sufficient to cover tuition costs are available to students who demonstrate a real need, and who are qualified.

READMISSION

Students who are absent for more than one month on account of illness or have leave of absence may be readmitted to the same or a succeeding class at the discretion of the Committee.

VACATIONS

Each year is divided into four quarters of three months each. First-year students have vacations of two weeks at Christmas and two weeks during the summer. Junior and Senior students have vacations of one month each.

LEAVE OF ABSENCE

Students are not expected to leave the School because of family or other personal reasons. Absence from the School is granted only in extreme cases. If a student is obliged to be away for a period exceeding four weeks, the Dean of the School of Nursing will determine the date of her return and the question of resuming her place in her original class.

THE DUKE UNIVERSITY SCHOOL OF NURSING ALUMNAE ASSOCIATION

The Duke University School of Nursing Alumnae Association was formed for the purpose of rendering mutual help and improvement in professional work, and for the promotion of good fellowship among the graduates of the School.

The Alumnae Association co-operates with the North Carolina State Nurses' Association and the American Nurses' Association in working for the professional and educational advancement of nursing.

An endowment fund has been established by the Association. Each alumna is asked to contribute \$10.00 to this fund within two years following her graduation. Gifts from interested friends have also helped to increase the fund during the past year.

Alumnae Notes, the Association's publication, has become a quarterly bulletin.

COURSES OF INSTRUCTION

Anatomy and Physiology.—Basic facts and principles concerning the structure and activities of the human body, and their application to nursing situations in health and disease. Demonstrations, laboratory work, and discussions.
DR. YOUNGSTROM, DR. KOHN, MISS BINKLEY, MISS DULIN

Bacteriology.—The relation of pathologic organisms to the cause, prevention, spread, and control of communicable diseases. Lectures and laboratory work.
DR. CONANT, MISS BINKLEY

Chemistry.—Emphasis on the physiological and pathological aspects of chemistry as applied to nursing. Lectures are supplemented by laboratory experiments and discussions of general, organic, and physiological chemistry.
DR. TAYLOR, MISS MCINTOSH, MISS DULIN

Diet Therapy.—Principles underlying nutrition in health and disease.
MRS. ELSIE MARTIN

First Aid.—Presentation of the general factors essential in meeting emergency needs.
RED CROSS INSTRUCTOR

Gynecology.—Presentation of the anatomy and physiology of the female reproductive organs with reference to the major diseases and abnormalities of the organs. Essential nursing care is stressed.
DR. BAYARD CARTER, ASSOCIATES, MRS. RUTH WILSON

Health Education.—This course aims to develop a high degree of physical and mental health with special emphasis on the responsibility of the nurse as an individual and a teacher.
MISS DULIN

History of Nursing.—Survey of the development and trends leading up to the present concept of nursing, stressing the historical element in the profession.
MISS BINKLEY

Medical and Surgical Nursing I and II.—An integrated study of the broad field of the clinical aspect of medical and surgical conditions, including the essential nursing care factors.
PHYSICIAN LECTURERS, MISS WEHUNT, MISS INGRAHAM

Medicine and Surgery Advanced.—A survey of the modern trends in treatments and nursing care to enable the nurse to develop a broader basis for understanding and meeting the present-day needs in nursing.
CLINICAL SUPERVISORS

Nursing Arts I.—Introduction to nursing, ethics, and hospital economics.
MISS BURNHAM AND ASSISTANTS

Nursing Arts II.—Principles of elementary nursing procedures, including bandaging.
MISS BURNHAM AND ASSISTANTS

Nursing Arts III.—Demonstrations and practice in the classroom and supervised experience on the wards.
MISS BURNHAM AND ASSISTANTS

Nutrition and Cookery.—An introduction to the principles and methods of the preparation of foods.
MRS. ELSIE MARTIN

Obstetrics.—A course dealing with the physiology of normal pregnancy, labor, and puerperium; the more common abnormalities; and the care of the newborn. Principles of obstetrical nursing care are emphasized. Lectures and demonstrations.
DR. BAYARD CARTER, MRS. RUTH WILSON

Operating Room Technique.—Lectures and demonstrations stressing the physical operating room plant in its relation to preparation and sterilization of supplies and use of equipment in operative procedures.
MISS M. BATCHELDER

Pediatrics.—Emphasis on the causes, treatments, and preventive measures in childhood diseases. The importance of nursing care is stressed.
PHYSICIAN LECTURERS, MISS M. SHERWOOD

Elementary Pharmacology.—A study of the nurses' responsibilities in the understanding of the preparation and computation of dosages, and common modes of administration of drugs.
MISS MCINTOSH, MISS DULIN

Pharmacology.—An introduction to drugs in relation to their use in the treatment of disease, with emphasis on the responsibility of the nurse in their administration.
MISS MCINTOSH

Posture and Massage.—An introductory course outlining the theoretical and practical essentials of physiotherapy.
MISS GORDON

Professional Adjustments I.—A study of the origin and growth of ethics, with emphasis on the necessity for unification of character and conduct.
MISS PINKERTON

Professional Adjustments II.—A survey of the nursing field with consideration of the special qualifications and preparation needed for the various specialties.
MISS PINKERTON AND SPECIALISTS

Psychiatric Nursing.—An introduction to causes, treatments, and nursing care measures used in the care of the mentally ill. Lectures, presentation of cases, demonstration of procedures, lantern slides.
DR. LYMAN, MRS. RIDDLEBERGER

Psychology.—Fundamental principles underlying human conduct.
DR. LUNDHOLM, MISS MCINTOSH

Introduction to Public Health Nursing.—These lectures are designed to give an overall view of the field of public health with pertinent relations to public health nursing, its development, influence, the present-day programs, and family health work.
DR. BROWN, MISS R. HAY, MISS M. BLEE

Sociology of Nursing.—Sociological factors in the problems of individuals as related to the hospital and the community life from a medical-social aspect.
MISS MCINTOSH, MISS BARKER

PRECLINICAL AND CLINICAL PROGRAMS—CLASS OF 1945

YEAR	FIRST YEAR				SECOND YEAR				THIRD YEAR			
	First Quarter Hrs.	Second Quarter Hrs.	Third Quarter Hrs.	Fourth Quarter Hrs.	First Quarter Hrs.	Second Quarter Hrs.	Third Quarter Hrs.	Fourth Quarter Hrs.	First Quarter Hrs.	Second Quarter Hrs.	Third Quarter Hrs.	Fourth Quarter Hrs.
Terms (11 weeks)												
Biological and Physical Sciences	Anatomy and Physiology 55 Chemistry 55	Anatomy and Physiology 44 Bacteriology 44										
Social Sciences	Psychology 33 Prof. Adjustments I. 11	Sociology 33	History of Nursing 22								Prof. Adjustments II. 33	
Nursing and Allied Arts	Personal Hygiene 11 Nutrition and Cookery 33 Nursing Arts 66	Elem. Pharmacology 22 Nursing Arts 55	Pharmacology 33 Medical Surgery 55 Diet Therapy 11 Nursing Arts 44		Gynecology 22 Operating Room Tech. 11 Orthopedics 6 Eye 5	Psychiatry 33 Obstetrics 33 Ward Manag. 11	Pediatrics 33 Comm. Diseases 11		First Aid 22 Public Health 22	Advanced Medical Surgery 22		
Total Hours of Class	Wk. 24 Quart. 264	18 198	15 165	7 77	4 44	4 44	6 66	5 55	4 44	4 44	5 55	
Ward Practice	Wk. 9 Quart. 54	21 231	33 353	41 441	48 528	48 528	48 528	48 528	48 528	48 528	48 528	48 528
46 hours per week classes included				48 hours per week classes included				48 hours per week exclusive of classes				

Clinical Experience After the First
Six Months

Medical Wards	5½	months
Surgical Wards	5½	months
Diet Kitchen	1	month
Gynecological Wards	1	month
Operating Department	2	months
Out-Patient Department	1	month
Private Wards	2	months
Obstetric Department	3	months
Pediatrics Department	3	months
Milk Laboratory	¼	month
Psychiatry	1	month
Electives	1	month
Unassigned	1	month
<i>Total</i>	<u>27¼</u>	months

SCHOOL OF NURSING STUDENTS

SENIOR STUDENTS

<i>Name and Preparation</i>	<i>Home Address</i>
Adams, Katie..... <i>Madison College.</i>	Gretna, Va.
Ayers, Mary Elizabeth..... <i>Presbyterian College.</i>	Elberton, Ga.
Bain, Barbara..... <i>Washington University.</i>	La Grange, Ga.
Barickman, Martha..... <i>Marshall College.</i>	S. Charleston, W. Va.
Beaton, Frances..... <i>Hofstra College.</i>	Jackson Heights, N. Y.
Bowles, Josephine..... <i>Madison College.</i>	Harrisonburg, Va.
Boykin, Elizabeth..... <i>Flora Macdonald College.</i>	Bluefield, W. Va.
Carter, Myrtle..... <i>Woman's College, University of North Carolina.</i>	Gatesville, N. C.
Coggins, La Una..... <i>Coker College.</i>	Inman, S. C.
Covington, Mildred..... <i>Madison College.</i>	Lynchburg, Va.
Craddock, Alice..... <i>Mars Hill College.</i>	Cary, N. C.
Cutlip, Eleanor Lee..... <i>Marshall College.</i>	Richwood, W. Va.
Decker, Kathryn..... <i>Cornell College.</i>	Chicago, Ill.
Farquhar, Mary..... <i>California State Teachers College.</i>	California, Pa.
Farrar, Mary Frances..... <i>Greensboro College.</i>	Durham, N. C.
Fox, Irene C..... <i>Duke University.</i>	East Moriches, N. Y.
Gambrell, Vivian E..... <i>Catawba College.</i>	Lexington, N. C.
Green, Mary..... <i>Winthrop College.</i>	Lake City, S. C.
Greene, Dorothy..... <i>Brevard College.</i>	Charlotte, N. C.
Greenlee, Helen..... <i>Western Carolina Teachers College.</i>	Spruce Pine, N. C.
Harrison, Ethel F..... <i>New Jersey State Teachers College.</i>	New York, N. Y.
Hartley, Jean..... <i>Appalachian State Teachers College.</i>	Blowing Rock, N. C.
Keesee, Ellen..... <i>Averett and Madison College.</i>	Java, Va.

<i>Name and Preparation</i>	<i>Home Address</i>
Lewis, Janice..... <i>Campbell College.</i>	Zebulon, N. C.
Lyon, Frances..... <i>Salem College.</i>	Winston-Salem, N. C.
Meeks, Marian..... <i>North Georgia College.</i>	Nicholls, Ga.
Melton, Iris..... <i>Mars Hill College.</i>	Hendersonville, N. C.
Miller, Frances..... <i>State Teachers College.</i>	Boone, N. C.
Newman, Ruby..... <i>Pineland Junior College.</i>	Clinton, N. C.
Parker, Mary Virginia..... <i>Farmville State Teachers College.</i>	Homeville, Va.
Peppler, Dorothy..... <i>McCook Junior College.</i>	McCook, Neb.
Pipkin, Celia Zoe..... <i>Florida State College for Women.</i>	Bartow, Fla.
Quattlebaum, Louise..... <i>University of South Carolina.</i>	Columbia, S. C.
Reinhardt, Elizabeth..... <i>Woman's College, University of North Carolina.</i>	Stanley, N. C.
Rose, Ernestine..... <i>Louisburg College.</i>	Nashville, N. C.
Santos, Elvin..... <i>William and Mary Extension.</i>	Norfolk, Va.
Sewell, Genevieve..... <i>Meredith College.</i>	Seffner, Fla.
Smith, Jean Preston..... <i>Madison College.</i>	Waynesboro, Va.
Wall, Jessie M..... <i>Woman's College, University of North Carolina.</i>	Randleman, N. C.
Wells, Lela P..... <i>Winthrop College.</i>	Greenwood, S. C.
White, Mary Jane..... <i>Rice Institute.</i>	Houston, Tex.
Whiteside, Kathleen..... <i>Limestone College.</i>	Blacksburg, S. C.
Wright, Marybelle..... <i>Florida State College for Women.</i>	Jacksonville, Fla.
Wright, Ruby R..... <i>Madison College.</i>	Roanoke, Va.
Yount, Kathryn..... <i>Lenoir-Rhyne College.</i>	Faith, N. C.

JUNIOR STUDENTS

Adams, Elizabeth H..... <i>Peace Junior College.</i>	Skillman, N. J.
Allen, Mary Grayson..... <i>Ohio University.</i>	Asheville, N. C.
Arnold, Cora..... <i>State Teachers College.</i>	North Plainfield, N. J.

<i>Name and Preparation</i>	<i>Home Address</i>
Baity, Martha..... <i>High Point College.</i>	Henderson, N. C.
Baldwin, Olive Douglas..... <i>Peace Junior College.</i>	Whiteville, N. C.
Barnes, Mary Frances..... <i>North Carolina State College.</i>	Goldsboro, N. C.
Benbow, Marjorie Long..... <i>Woman's College, University of North Carolina.</i>	Greensboro, N. C.
Bennett, Anne..... <i>Mitchell Junior College.</i>	Greensboro, N. C.
Blythe, Charlotte..... <i>Brevard College.</i>	Hendersonville, N. C.
Bowers, Elizabeth..... <i>Winthrop College.</i>	Timmons ville, S. C.
Churan, Dorothy..... <i>Pennsylvania State College.</i>	Reading, Pa.
Cobb, Mary Bernice..... <i>Chowan Junior College.</i>	Windsor, N. C.
Crawley, Hattie Mildred..... <i>Mitchell College.</i>	Statesville, N. C.
Crowder, Janice..... <i>Duke University.</i>	Willis Wharf, Va.
D'Amico, Frances Loucetta..... <i>University of Georgia.</i>	Elberton, Ga.
Daffin, Margaret Louise..... <i>Florida State College.</i>	Pensacola, Fla.
Doud, Jean..... <i>Florida Southern College.</i>	Palmetto, Fla.
Dull, Margie..... <i>Salem College.</i>	Winston-Salem, N. C.
Edwards, Margaret Pearl..... <i>Winthrop College.</i>	Varnville, S. C.
Ezzell, Mary..... <i>Mars Hill College.</i>	Rose Hill, N. C.
Farrior, Ethel..... <i>Campbell College.</i>	Wallace, N. C.
Fleming, Jessamine..... <i>Flora Macdonald College.</i>	Mebane, N. C.
Green, Patricia..... <i>Duke University.</i>	Hillsboro, N. C.
Gunter, Edith.....	Anderson, S. C.
Halter, Gladys..... <i>Lenoir-Rhyne College.</i>	Hanover, Pa.
Harp, Dorothy L..... <i>Madison College.</i>	Roanoke, Va.
Hildreth, Lucille..... <i>Duke University.</i>	Durham, N. C.
Hinton, Anna Lee..... <i>Averett College.</i>	Reedville, Va.
Hayes, Madeleine..... <i>Salem College.</i>	Winston-Salem, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>
Horton, Virginia <i>University of Mexico.</i>	Albuquerque, N. M.
House, Martha E..... <i>Campbell College.</i>	Fayetteville, N. C.
Kincaid, Mary Guinn..... <i>University of West Virginia.</i>	Fire Creek, W. Va.
King, Virginia B..... <i>Winthrop College.</i>	Lancaster, S. C.
Kresge, Caroline..... <i>Stephens Junior College; Ohio Wesleyan University.</i>	Lakewood, O.
Lambeth, Evelyn..... <i>Randolph-Macon College.</i>	Danville, Va.
Lewis, Mildred..... <i>Peace Junior College.</i>	Raleigh, N. C.
Light, Catherine M..... <i>Winthrop College.</i>	Alcolu, S. C.
Livingood, Mary Louise..... <i>Stetson University.</i>	Stuart, Fla.
Lucas, Mary Josephine..... <i>Redford State Teachers College.</i>	Simpson, Va.
McCoy, Hazel.....	New Hill, N. C.
McKenzie, Alma Margaret..... <i>Flora Macdonald College.</i>	Pinehurst, N. C.
McMullen, Fay..... <i>Florida Southern College.</i>	Largo, Fla.
May, Barbara..... <i>Lander College.</i>	Tampa, Fla.
O'Briant, Mary Frances..... <i>Duke University.</i>	Durham, N. C.
Osborne, Lucy.....	Wallace, N. C.
Pimsner, Leontine I..... <i>Oberlin College.</i>	Cleveland, Ohio
Raby, Dorothy Emily..... <i>Lenoir-Rhyne College.</i>	Hickory, N. C.
Ramsey, Ruth Wean..... <i>Duke University.</i>	Charlotte, N. C.
Richardson, Charlotte..... <i>University of Connecticut.</i>	Bloomfield, N. J.
Roane, Cary..... <i>Texas State College.</i>	Fort Knox, Ky.
Robinson, Alice M..... <i>Duke University.</i>	Sayville, L. I., N. Y.
Sawyer, Margaret J..... <i>Woman's College, University of North Carolina.</i>	Greensboro, N. C.
Shearin, Mary Lina..... <i>Atlantic Christian College.</i>	Wilson, N. C.
Slocumb, Ruth W..... <i>Greensboro College.</i>	Goldsboro, N. C.
Smith, Betty Irene..... <i>Woman's College, University of North Carolina.</i>	Pinehurst, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>
Smith, Mary Alice..... <i>Pfeiffer Junior College.</i>	Oakboro, N. C.
Smith, Ruth Lucille..... <i>Mars Hill College.</i>	Stanley, N. C.
Taylor, Rebekah..... <i>Catawba College.</i>	Landis, N. C.
Tilley, Sophy Malone.....	Durham, N. C.
Voss, Jewel..... <i>Woman's College, University of North Carolina.</i>	Walnut Cove, N. C.
Warren, Mary H..... <i>Woman's College, University of North Carolina.</i>	Greensboro, N. C.
White, Evelyn..... <i>Mary Washington College.</i>	Newport News, Va.

FRESHMAN STUDENTS

Adams, Barbara Fay..... <i>Winthrop College.</i>	Leland, N. C.
Bancroft, Mary Catherine..... <i>University of Pennsylvania.</i>	Johnstown, Pa.
Banks, Katherine M..... <i>Duke University.</i>	Hickory, N. C.
Barbrey, Betty Jane..... <i>Pfeiffer Junior College.</i>	Mount Olive, N. C.
Beckner, Eleanor..... <i>Mary Washington College.</i>	Elkhorn, W. Va.
Bennett, Virginia Rose..... <i>West Virginia University.</i>	Weston, W. Va.
Bond, Sarah Roberts..... <i>Georgia State College for Women.</i>	Augusta, Ga.
Boring, Dorothy Louise..... <i>Florida State College.</i>	Plant City, Fla.
Braswell, Ruth Davis..... <i>Louisburg College.</i>	Princeton, N. C.
Broadhurst, Jane..... <i>Woman's College, University of North Carolina.</i>	Goldsboro, N. C.
Byrd, Frances Levenia..... <i>Averett College.</i>	Leaksville, N. C.
Byrd, Mary Jane..... <i>Brevard College.</i>	Candler, N. C.
Calliero, Anabel..... <i>Wingate College; Meredith College.</i>	Santa Clara, Cuba
Canady, Louise..... <i>East Carolina Teachers College.</i>	Washington, N. C.
Caviness, Edith Ann..... <i>Peace College.</i>	Lillington, N. C.
Chalker, Mary C..... <i>Florida State College for Women.</i>	West Palm Beach, Fla.
Colley, Myrle..... <i>Louisburg College.</i>	Wilmington, N. C.
Cothran, Jane..... <i>Winthrop College.</i>	Inman, S. C.

<i>Name and Preparation</i>	<i>Home Address</i>
Covington, Martha Lee..... <i>Mitchell College.</i>	Mebane, N. C.
Davis, Martha Jane..... <i>Mars Hill College.</i>	Andrews, N. C.
Davis, Pauline..... <i>Madison College.</i>	Nashville, N. C.
Davis, Ruth..... <i>Presbyterian College.</i>	Clinton, S. C.
Davis, Virginia Helen..... <i>West Virginia University.</i>	Uniontown, Pa.
Deale, Barbara Gordiner..... <i>Montreat Junior College.</i>	Chicago, Ill.
Dean, Jean Marie..... <i>Madison College.</i>	Halifax, Va.
Denny, Janice..... <i>Biltmore College.</i>	Asheville, N. C.
Durner, Hazel Ruth..... <i>Duke University.</i>	Waterbury, Conn.
Fisher, Mary Alice..... <i>University of Georgia.</i>	Clayton, Ga.
Freeman, M. Trudell..... <i>Pfeiffer College.</i>	Ether, N. C.
Galloway, Suzayne..... <i>Florida State College for Women.</i>	Coral Gables, Fla.
Givin, Nelle Brown..... <i>University of Alabama.</i>	Charleston, W. Va.
Gossett, Mary Frances..... <i>Winthrop College.</i>	Stephen, S. C.
Gray, Virginia..... <i>Duke University.</i>	Oyster Bay, N. Y.
Hanna, Mary Chapman..... <i>Winthrop College.</i>	Blacksburg, S. C.
Harlow, Gene Anne..... <i>Florida State College for Women.</i>	Jacksonville, Fla.
Hawes, Ruth Mae..... <i>Florida State College for Women.</i>	Tallahassee, Fla.
Hege, Margaret Elizabeth..... <i>Duke University.</i>	Winston-Salem, N. C.
Hester, Eulalia..... <i>Furman University.</i>	Pickens, S. C.
Hickman, Miriam Poe..... <i>Winthrop College.</i>	Loris, S. C.
Jones, Mary Elizabeth..... <i>Atlantic Christian College.</i>	Kinston, N. C.
Kaiser, Edith..... <i>Newberry College.</i>	Lexington, S. C.
Kime, Selena..... <i>Lenoir-Rhyne College.</i>	Liberty, N. C.
Kirby, Mary Katherine..... <i>Asheville College.</i>	Newry, S. C.
Knowles, Lois Nina..... <i>Florida State College for Women.</i>	Valrico, Fla.

<i>Name and Preparation</i>	<i>Home Address</i>
Lawrence, Elizabeth..... <i>Duke University.</i>	Swedesboro, N. J.
Laws, Cicily Anne..... <i>Mars Hill College.</i>	Brantwood, Md.
Lean, Florence Evelyn..... <i>William and Mary College.</i>	Williamsburg, Va.
McElroy, Barbara Anne..... <i>Grove City College.</i>	Latrobe, Pa.
McIntyre, Jean C..... <i>Limestone College.</i>	Marion, S. C.
Mitchell, Paula Mozelle..... <i>University of Alabama.</i>	Cullman, Ala.
Morrow, Nancy Anne..... <i>William and Mary College.</i>	Shaker Heights, Ohio
Mullen, Christine M..... <i>Flora Macdonald College.</i>	Durham, N. C.
Nash, Doris..... <i>Temple University.</i>	Troy, Pa.
Nix, Jean D..... <i>Winthrop College.</i>	Garnett, S. C.
Parks, Lillian..... <i>Peace College.</i>	Cristobal, Canal Zone
Reflogal, Jacquelyn..... <i>Mary Washington College.</i>	Clearwater, Fla.
Rhoad, Betty Claire..... <i>Winthrop College.</i>	Moncks Corner, S. C.
Riddle, Betty Louise..... <i>Elon College.</i>	Graham, N. C.
Robeson, Jeanne..... <i>Flora Macdonald College.</i>	Tarheel, N. C.
Robinette, Helen M..... <i>Campbell College.</i>	Winston-Salem, N. C.
Robinson, Mary Jean..... <i>Ohio University.</i>	Clarksburg, W. Va.
Roseborough, Margaret P..... <i>Stetson University.</i>	DeLand, Fla.
Rowland, Alice Bird..... <i>University of Pennsylvania.</i>	Johnstown, Pa.
Sawyer, Mary Harriet..... <i>Woman's College, University of North Carolina.</i>	Charlotte, N. C.
Smith, Adella May..... <i>Woman's College, University of North Carolina.</i>	Clinton, N. C.
Smith, Annie Ruth..... <i>Winthrop College.</i>	Albemarle, N. C.
Smith, Emily June..... <i>State Teachers College.</i>	Odd, Va.
Solomon, Hazel..... <i>Woman's College, University of North Carolina.</i>	Charlotte, N. C.
Stewart, Katherine..... <i>Campbell College.</i>	Lillington, N. C.
Stiglitz, Adelaide..... <i>Madison College.</i>	Plainfield, N. J.

<i>Name and Preparation</i>	<i>Home Address</i>
Styron, Frances..... <i>Woman's College, University of North Carolina.</i>	Goldsboro, N. C.
Taylor, Virginia Louise..... <i>St. Mary's School.</i>	Boone, N. C.
Tierney, Helen..... <i>University of Miami.</i>	Coral Gables, Fla.
Vannah, Mary..... <i>University of Tennessee.</i>	Brevard, N. C.
Vaughan, Louise..... <i>Peace College.</i>	Rich Square, N. C.
Wahmann, Nancy..... <i>Duke University.</i>	Moultrie, Ga.
Wainwright, Frieda Anne..... <i>Junior College of Augusta.</i>	Augusta, Ga.
Warren, Joyce Elizabeth..... <i>East Carolina Teachers College.</i>	Clinton, N. C.
Watkins, Martha Elizabeth..... <i>Lenoir-Rhyne College.</i>	Valdese, N. C.
White, Betty Evelyn..... <i>Elon College.</i>	Bynum, N. C.
Willcox, Mary Moore..... <i>Winthrop College.</i>	Marion, S. C.
Williams, Caroline..... <i>Peace College.</i>	Inez, N. C.
Wylie, Ruth Laura..... <i>West Virginia University.</i>	Alloy, W. Va.
Yoak, Betty Jo..... <i>Marshall College.</i>	Ceredo, W. Va.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama	1
Canal Zone	1
Connecticut	1
Cuba	1
Florida	17
Georgia	7
Illinois	2
Kentucky	1
Maryland	1
Nebraska	1
New Jersey	5
New Mexico	1
New York	5
North Carolina	85
Ohio	3
Pennsylvania	8
South Carolina	22
Texas	1
Virginia	17
West Virginia	10
<i>Total</i>	190

SCHOOL OF NURSING GRADUATES

Name	Address
Adams, Dorothy Ellen.....	Cabarrus County Hospital, Concord, N. C. <i>Diploma, 1939; B.S., 1939.</i>
Adams, Maude (Mrs. Percy White).....	Lynnhaven, Va. <i>Diploma, 1938; B.S., 1939.</i>
Alexander, Ruth Brinkley (Mrs. David Wilson)	Obstetrical Supervisor, Duke Hospital <i>Diploma, 1939; B.S., 1940.</i>
Allan, Margaret.....	A. N. C., 65th General Hospital <i>Diploma, 1940.</i>
Alley, Charlotte.....	Duke Hospital <i>Diploma, 1942.</i>
Allred, Mary Jane.....	Health Nurse, Duke Hospital <i>Diploma, 1942; B.S., 1942.</i>
Applewhite, Ida Shaw (Mrs. William Barber)	1822 East Fourth St., Charlotte, N. C. <i>Diploma, 1939.</i>
Arnold, Aldine.....	Head Nurse, Gurley Hospital, Flint, Mich. <i>Diploma, 1933.</i>
Atkinson, Pauline (Mrs. J. A. Martin).....	Ithaca, N. Y. <i>Diploma, 1937.</i>
Atzrodt, Rebecca (Mrs. Warner Wells).....	Clinic Nurse, Duke Hospital <i>Diploma, 1939; B.S., 1939.</i>
Babb, Frances (Mrs. Russell Andrews).....	Forest, Va. <i>Diploma, 1941; B.S., 1941.</i>
Bagby, Virginia.....	Johns Hopkins Hospital, Baltimore, Md. <i>Diploma, 1940; B.S., 1940.</i>
Barbee, Sula (Mrs. George Parks).....	1104 Ninth St., Durham, N. C. <i>Diploma, 1938; B.S., 1940.</i>
Barton, Ruth (Mrs. Ed Habbersett).....	35 South Adams St., Petersburg, Va. <i>Diploma, 1939; B.S., 1939.</i>
Bell, Joyce.....	611 Ridge Ave., Sharpsville, Pa. <i>Diploma, 1937.</i>
Berry, Anne (Mrs. Gustave Bieber).....	Supervisor, Duke Hospital <i>Diploma, 1938.</i>
Bigler, Ouida Louise.....	Albemarle, N. C. <i>Diploma, 1941; B.S., 1941.</i>
Bisanar, Lelia Elizabeth..	Head Nurse, Riverside Hospital, Newport News, Va. <i>Diploma, 1939.</i>
Black, Frances (Mrs. Walter Hastings).....	Pickens, S. C.
Blakely, Margie Dean (Mrs. William Thompson)	71 East Post Rd., Apartment No. 5, White Plains, N. Y. <i>Diploma, 1937.</i>
Boone, Evelyn (Mrs. William Brumbeck).....	100 Little St., Belleville, N. J. <i>Diploma, 1940.</i>
Boone, Nellie (Mrs. Robert Coon)....	Emergency Hospital, Washington, D. C. <i>Diploma, 1936.</i>
Bradshaw, Julia.....	Head Nurse, Duke Hospital <i>Diploma, 1934.</i>
Brake, Thelma (Mrs. F. W. Zbikowski)	<i>Diploma, 1940.</i>
Brewer, Lottie Mae (Mrs. Clarence Sapp) ..	Health Department, Concord, N. C. <i>Diploma, 1939; B.S., 1939.</i>

<i>Name</i>	<i>Address</i>
Brinkley, Gladys (Mrs. J. F. Stuckey).....	1911 Sunset Drive, Raleigh, N. C. <i>Diploma, 1933.</i>
Brooke, Mary Inez.....	A. N. C., 65th General Hospital <i>Diploma, 1941; B.S., 1941.</i>
Brooks, Ida Florence (Mrs. George Bokinsky)	Operating Room, Duke Hospital <i>Diploma, 1937.</i>
Bruffey, Jean.....	Danville, Va. <i>Diploma, 1940.</i>
Bryant, Carl Denyse (Mrs. Robert Stanley)	Assistant Dean of Nurses, Emory University Hospital, Atlanta, Ga.
Bryant, Edith Virginia.....	Head Nurse, Duke Hospital <i>Diploma, 1941; B.S., 1941.</i>
Bryant, Hazel (Mrs. C. C. Wallace).....	315 W. 15th St., Lumberton, N. C. <i>Diploma, 1937.</i>
Bunch, Mary Elizabeth.....	A. N. C., 65th General Hospital <i>Diploma, 1941; B.S., 1941.</i>
Bunn, Esper Nan.....	A. N. C., 65th General Hospital <i>Diploma, 1942; B.S., 1942.</i>
Cadle, Evelyn.....	Head Nurse, Columbia General Hospital, Columbia, S. C. <i>Diploma, 1936.</i>
Caldwell, Faire.....	Head Nurse, Columbia General Hospital, Columbia, S. C. <i>Diploma, 1934.</i>
Camp, Delores (Mrs. J. L. Atkins).....	1407 Dollar Ave., Durham, N. C. <i>Diploma, 1935.</i>
Carson, Bonnie (Mrs. Joe Jester)	Private Duty, 5028 Sunset Ave., Durham, N. C. <i>Diploma, 1934.</i>
Carter, Mary Irvine (Mrs. C. H. Gay).....	500 Queen Rd., Charlotte, N. C. <i>Diploma, 1935.</i>
Castleberry, Margaret (Mrs. F. Malone)	<i>Diploma, 1939.</i>
Cates, Ona Maude (Mrs. John Street)	Private Duty, 2003 Club Blvd., Durham, N. C. <i>Diploma, 1936.</i>
Chittendon, Eleanor (Mrs. E. E. Meneffee)...	2102 Sprunt St., Durham, N. C. <i>Diploma, 1935.</i>
Clapp, Elizabeth.....	Instructor, Norwalk General Hospital, Norwalk, Conn. <i>Diploma, 1935; B.S., 1937.</i>
Clay, Isa Telford.....	Visiting Nurse, Henry Street Settlement, N. Y. <i>Diploma, 1940.</i>
Cobb, Zula.....	C.C.C. Camp, 3011 N. Pershing Drive, Arlington, Va. <i>Diploma, 1934; B.S., 1940.</i>
Combs, Thelma Jean.....	A. N. C., 65th General Hospital <i>Diploma, 1942.</i>
Cook, Betty Wood (Mrs. J. Bramer).....	Palmira, N. Y. <i>Diploma, 1939.</i>
Cook, Clara Bert.....	Duke Hospital <i>Diploma, 1942.</i>
Cook, Maude.....	Charlotte Memorial Hospital, Charlotte, N. C. <i>Diploma, 1938.</i>
Collins, Hallie Joe (Mrs. Jerry Jerome).....	736 Catalonia, Coral Gables, Fla. <i>Diploma, 1941; B.S., 1941.</i>

<i>Name</i>	<i>Address</i>
Corbett, Mary Elizabeth (Mrs. R. W. Postlewaite) <i>Diploma, 1936.</i>	838 Lathrop Ave., Detroit, Mich.
Cothran, Mary Lillie (Mrs. William Gregory)..... <i>Diploma, 1939; B.S., 1939.</i>	Petersburg, Va.
Cotter, Ethel (Mrs. George Silver) <i>Diploma, 1933.</i>	Indian Field Service, Indian School, Cherokee, N. C.
Cowan, Frances..... <i>Diploma, 1942; B.S., 1942.</i>	Duke Hospital
Cranford, Kathryn (Mrs. James Raper) <i>Diploma, 1934.</i>	133 West First Ave., Lexington, N. C.
Crowell, Alucia..... <i>Diploma, 1939; B.S., 1939.</i>	Good Samaritan Hospital, West Palm Beach, Fla.
Crutchfield, Ruth (Mrs. W. P. Fields)..... <i>Diploma, 1935.</i>	149 New York Ave., Brooklyn, N. Y.
Currence, Martha..... <i>Diploma, 1938; B.S., 1941.</i>	Instructor, Grace Hospital, Morganton, N. C.
Curtis, Catherine..... <i>Diploma, 1942.</i>	A. N. C., 65th General Hospital
Darrough, Sara..... <i>Diploma, 1941; B.S., 1941.</i>	School of Anesthesia, Lakeside, Chicago, Ill.
Davey, Margaret (Mrs. J. T. Barbee)..... <i>Diploma, 1935.</i>	Veterans' Facility, Roanoke, Va.
Deaton, Dorothy..... <i>Diploma, 1941.</i>	Assistant Head Nurse, Duke Hospital
Decker, Edna (Mrs. James Wrenn)..... <i>Diploma, 1938; B.S., 1938.</i>	Bellevue Hospital, New York City
Dobbin, Louise..... <i>Diploma, 1934.</i>	A. N. C., 65th General Hospital
Dugger, Carlotta (Mrs. Frank Mann) <i>Diploma, 1941.</i>	
Dulin, Margaret..... <i>Diploma, 1941.</i>	Assistant Science Instructor, Duke Hospital
Dunn, Dorothy..... <i>Diploma, 1938; B.S., 1938.</i>	Instructor, Grady Hospital, Atlanta, Ga.
Eagles, Kathleen..... <i>Diploma, 1938; B.S., 1938.</i>	A. N. C., 65th General Hospital
Ellison, Ethel..... <i>Diploma, 1942.</i>	Duke Hospital
Estes, Frances (Mrs. Robert Regan)..... <i>Diploma, 1937; B.S., 1938.</i>	726 Napier Ave., Macon, Ga.
Estes, Jeane..... <i>Diploma, 1942.</i>	Duke Hospital
Evans, Elizabeth..... <i>Diploma, 1933.</i>	A. N. C., 65th General Hospital
Feagans, Hilda (Mrs. Fred Larson)..... <i>Diploma, 1935.</i>	Veterans' Facility, Roanoke, Va.
Forrest, Margaret (Mrs. Ross Porter)..... <i>Diploma, 1935.</i>	Hillsboro, N. C.
Fox, June (Mrs. Harold Schiro)..... <i>Diploma, 1935.</i>	Rose Hill, Cincinnati, Ohio

<i>Name</i>	<i>Address</i>
Gambill, Ruth (Mrs. Ben Miller) <i>Diploma, 1936.</i>	Columbia, S. C.
Gandy, Virginia <i>Diploma, 1940.</i>	
Gangle, Elsie (Mrs. Elliott Foster) <i>Diploma, 1939.</i>	Worcester, Mass.
Garris, Grace <i>Diploma, 1942.</i>	A. N. C., 65th General Hospital
Gibson, Jean (Mrs. Landress) <i>Diploma, 1938.</i>	St. Petersburg, Fla.
Gilliam, Hazel (Mrs. William Karmany) <i>Diploma, 1937.</i>	Operating Room, Duke Hospital
Gladstone, Annie Laurie (Mrs. C. S. Tilley) <i>Diploma, 1937.</i>	Private Duty, 2017 Pershing St., Durham, N. C.
Goodman, Eunice <i>Diploma, 1934.</i>	Public Health, Raleigh, N. C.
Gordon, Nellie (Mrs. Hesser) <i>Diploma, 1939.</i>	
Green, Mary (Mrs. Dave Lester) <i>Diploma, 1933.</i>	1202 Medico Dental Bldg., San Diego, Calif.
Gum, Margaret <i>Diploma, 1942.</i>	Duke Hospital
Gurley, Louise (Mrs. W. W. Sutton) <i>Diploma, 1934.</i>	Box 34, Raeford, N. C.
Hall, Myra <i>Diploma, 1938; B.S., 1938.</i>	Instructor, Bayonne Hospital and Dispensary, Bayonne, N. J.
Hampton, Julia <i>Diploma, 1937.</i>	Missionary Work, Belgian Congo, Africa
Hartley, Dare <i>Diploma, 1941; B.S., 1941.</i>	Assistant Nursing Arts Instructor, Duke Hospital
Harvin, Anne <i>Diploma, 1942; B.S., 1942.</i>	A. N. C., 65th General Hospital
Hawfield, Annie Jo <i>Diploma, 1933.</i>	Public Health, Durham, N. C.
Herman, Margaret (Mrs. Buford Guy) <i>Diploma, 1934; B.S., 1938.</i>	Statesville, N. C.
Herman, Mary Alice (Mrs. H. V. Parks) <i>Diploma, 1934; B.S., 1938.</i>	Raleigh, N. C.
High, Christine <i>Diploma, 1933.</i>	Wake County Sanatorium, Raleigh, N. C.
Hines, Margaret <i>Diploma, 1934; B.S., 1934.</i>	N.Y.A. Work, Asheville, N. C.
Hinshawe, Esther <i>Diploma, 1940; B.S., 1940.</i>	A. N. C., 65th General Hospital
Hodges, Charlotte (Mrs. Dan Jones) <i>Diploma, 1937; B.S., 1938.</i>	Charlotte, N. C.
Holleman, Matilda (Mrs. Vince Moseley) <i>Diploma, 1934; B.S., 1936.</i>	Duke Hospital
Holley, Mildred (Mrs. Kenneth Weeks)	Clinic Nurse, Duke Hospital
Hollowell, Maude <i>Diploma, 1935; B.S., 1939.</i>	Head Nurse, Veterans' Facility, Fayetteville, N. C.

<i>Name</i>	<i>Address</i>
Horton, Theresa Elizabeth.....	Head Nurse, Duke Hospital <i>Diploma, 1941; B.S., 1941.</i>
Humphrey, Frankie (Mrs. J. H. Rainey).....	Walterboro, S. C. <i>Diploma, 1935; B.S., 1937.</i>
Hunter, Frances (Mrs. Henry David Castilow)	248 Highland Ave., Passaic, N. J. <i>Diploma, 1936.</i>
Jarrett, Sara.....	699 Haywood Rd., West Asheville, N. C. <i>Diploma, 1938; B.S., 1938.</i>
Johnson, Gretchen (Mrs. Clyde Cheek).....	Operating Room, Duke Hospital <i>Diploma, 1934.</i>
Johnson, Josephine.....	A. N. C., 65th General Hospital <i>Diploma, 1935; B.S., 1938.</i>
Jones, Helen.....	A. N. C., 65th General Hospital <i>Diploma, 1942.</i>
Jones, Nancy.....	A. N. C., 65th General Hospital <i>Diploma, 1940; B.S., 1940.</i>
Kale, Ella Mae.....	A. N. C., 65th General Hospital <i>Diploma, 1941.</i>
King, Mary Emily (Mrs. Robert Bailey)	County Health Department, Lenoir, N. C. <i>Diploma, 1936.</i>
Kirkland, Sara.....	A. N. C., 65th General Hospital <i>Diploma, 1942.</i>
Klein, Frances (Mrs. Alfred Henderson).....	Head Nurse, Duke Hospital <i>Diploma, 1934.</i>
Krebs, Gladys.....	A. N. C., 65th General Hospital <i>Diploma, 1942.</i>
Kuykendel, Margaret.....	A. N. C., 65th General Hospital <i>Diploma, 1934; B.S., 1938.</i>
Leatherman, Alice.....	Duke Hospital <i>Diploma, 1942.</i>
Leatherwood, Elizabeth.....	A. N. C., 65th General Hospital <i>Diploma, 1942; B.S., 1942.</i>
Ledford, Rubye (Mrs. T. Howell Mees).....	Science Instructor, St. Joseph's Infirmary, Atlanta, Ga. <i>Diploma, 1941; B.S., 1941.</i>
Ligon, Martha.....	Duke Hospital <i>Diploma, 1942; B.S., 1942.</i>
Lineberger, Mary Lou.....	A. N. C., 65th General Hospital <i>Diploma, 1937.</i>
Lingle, Dorothy.....	Duke Hospital <i>Diploma, 1942.</i>
Lopp, Lucille.....	Clinic Nurse, Duke Hospital <i>Diploma, 1937; B.S., 1938.</i>
McAdams, Marie (Mrs. Albert Parrish).....	Clinic Nurse, Duke Hospital <i>Diploma, 1937.</i>
McBane, Gladys (Mrs. J. S. Denholm)...	Station Hospital, Fort Bragg, N. C. <i>Diploma, 1934.</i>
McCain, Mary Alice (Mrs. Frank Bordoff)	2917 Bratton St., Columbia, S. C. <i>Diploma, 1936.</i>
McCollum, Sarah.....	Head Nurse, Duke Hospital <i>Diploma, 1942.</i>

<i>Name</i>	<i>Address</i>
McCorkle, Jean..... <i>Diploma, 1942; B.S., 1942.</i>	Duke Hospital
McCranie, Aline (Mrs. Frank Harris)..... <i>Diploma, 1941.</i>	Private Duty, Atlanta, Ga.
McDavid, Virginia..... <i>Diploma, 1937; B.S., 1938.</i>	Chapel Hill, N. C.
McLaughlin, Louise (Mrs. Tom Beard) <i>Diploma, 1935; B.S., 1939.</i>	Private Duty, Aycock Apt., Durham, N. C.
Makely, Antoinette (Mrs. Sneed High)..... <i>Diploma, 1940; B.S., 1940.</i>	Fayetteville, N. C.
Mallore, Margaret..... <i>Diploma, 1941.</i>	Public Health, Pleasantville, Va.
Mann, Elizabeth..... <i>Diploma, 1933.</i>	Private Duty, Vickers Apt., Durham, N. C.
Marr, Leta Mae (Mrs. Robert Downing)..... <i>Diploma, 1937; B.S., 1937.</i>	37 Starer St., Kennebunk, Me.
Martin, Edrie (Mrs. Sam Page, Jr.)..... <i>Diploma, 1941; B.S., 1941.</i>	Science Instructor, James Jackson Memorial Hospital, Miami, Fla.
Massenburg, Sue (Mrs. Starr)..... <i>Diploma, 1935; B.S., 1940.</i>	Christ's Church, 9th and Broad St., Nashville, Tenn.
Matheson, Deane (Mrs. Barringer) <i>Diploma, 1941; B.S., 1941.</i>	
Maxwell, LaVohn..... <i>Diploma, 1942.</i>	A. N. C., 65th General Hospital
Maxwell, Winifred (Mrs. Everette Sawyer)..... <i>Diploma, 1939; B.S., 1939.</i>	Clarksville, W. Va.
Miller, Eleanor..... <i>Diploma, 1934.</i>	Veterans' Hospital, Bronx, N. Y.
Miller, Margaret Carolyn (Mrs. William Logan) <i>Diploma, 1939.</i>	Navy Hospital, Jacksonville, Fla.
Milton, Margaret (Mrs. Gates)..... <i>Diploma, 1941.</i>	Durham, N. C.
Misenheimer, Rachel (Mrs. H. P. Morgan) <i>Diploma, 1942.</i>	1481 Washington St., San Francisco, Calif.
Moore, Elizabeth..... <i>Diploma, 1934; B.S., 1938.</i>	Head Nurse, General Hospital, Greenville, S. C.
Moore, Louise..... <i>Diploma, 1942; B.S., 1942.</i>	Duke Hospital
Moore, Margaret Carolyn (Mrs. Roderick Jones)..... <i>Diploma, 1936; B.S., 1937.</i>	Florida
Moore, Mary Alice..... <i>Diploma, 1942; B.S., 1942.</i>	Head Nurse, Duke Hospital
Morrison, Lavenia..... <i>Diploma, 1935.</i>	Calco Chemical Co., Stanford, Conn.
Morrison, Polly..... <i>Diploma, 1940.</i>	Clinic Nurse, Duke Hospital
Mortimer, Anne..... <i>Diploma, 1942.</i>	Duke Hospital
Norton, Ann (Mrs. Robert Chambers)..... <i>Diploma, 1935.</i>	Prince St., Durham, N. C.

<i>Name</i>	<i>Address</i>
Olsen, Lurline <i>Diploma, 1938; B.S., 1938.</i>	
O'Neal, Christine.....	A. N. C., 65th General Hospital <i>Diploma, 1941.</i>
Painter, Isabelle.....	Memorial Hospital, Charlotte, N. C. <i>Diploma, 1940; B.S., 1940.</i>
Parker, Esther.....	A. N. C., 65th General Hospital <i>Diploma, 1940; B.S., 1940.</i>
Parker, Ida (Mrs. L. B. Council).....	Oakville, Tenn. <i>Diploma, 1935.</i>
Parks, Virda (Mrs. Jim Marshall) <i>Diploma, 1936.</i>	Twin Castle Apts., Winston-Salem, N. C.
Parrish, Marcella (Mrs. Bryan Harper).....	Newport News, Va. <i>Diploma, 1939; B.S., 1939.</i>
Paynter, Marcella.....	A. N. C., 65th General Hospital <i>Diploma, 1940.</i>
Peele, Margaret.....	Health Nurse, G. W. C., Greensboro, N. C. <i>Diploma, 1937; B.S., 1937.</i>
Pegram, Annie Lee.....	Private Duty, Vance Apt. 9, Durham, N. C. <i>Diploma, 1938; B.S., 1941.</i>
Pickett, Margaret <i>Diploma, 1939; B.S., 1939.</i>	
Perry, Mary (Mrs. Fred Fisher).....	52 Pitts St., Charleston, S. C. <i>Diploma, 1939; B.S., 1939.</i>
Poindexter, Kathaleen.....	Cana, N. C. <i>Diploma, 1942; B.S., 1942.</i>
Poole, Carol.....	Assistant Head Nurse, Duke Hospital <i>Diploma, 1942; B.S., 1942.</i>
Pope, Virginia (Mrs. James Gilliam).....	General Duty, Baltimore, Md. <i>Diploma, 1938; B.S., 1938.</i>
Rabb, Iris (Mrs. John Baughman).....	Moreland, Ky. <i>Diploma, 1938; B.S., 1940.</i>
Ray, Dorothy.....	A. N. C., 65th General Hospital <i>Diploma, 1940.</i>
Rearden, Laureen.....	A. N. C., 65th General Hospital <i>Diploma, 1939; B.S., 1940.</i>
Reinhardt, Cynthia.....	P. R. N. Night Duty, Duke Hospital <i>Diploma, 1941; B.S., 1941.</i>
Richards, Eugenia.....	Assistant Nursing Arts Instructor, Duke Hospital <i>Diploma, 1939; B.S., 1939.</i>
Rutledge, Fannie.....	Duke Hospital <i>Diploma, 1942; B.S., 1942.</i>
Sanford, Marion (Mrs. William Sealey) <i>Diploma, 1939.</i>	
Seawell, Margaret (Mrs. Walter Brian) <i>Diploma, 1939.</i>	
Sharp, Annie Hill (Mrs. Fred Klenner).....	Reidsville, N. C. <i>Diploma, 1934; B.S., 1937.</i>
Sheddy, Maxine (Mrs. Jack Bennett).....	Private Duty, Durham, N. C. <i>Diploma, 1935.</i>
Sheldon, Dorothy.....	A. N. C., Camp Davis, N. C. <i>Diploma, 1942; B.S., 1942.</i>

<i>Name</i>	<i>Address</i>
Shields, Lois (Mrs. Jack Cannon)..... <i>Diploma, 1939; B.S., 1939.</i>	Instructor, Germantown Hospital, Germantown, Pa.
Slade, Lucy..... <i>Diploma, 1942; B.S., 1942.</i>	A. N. C., Camp Davis, N. C.
Smith, Hilda..... <i>Diploma, 1938; B.S., 1941.</i>	A. N. C., Camp Butler, N. C.
Smythe, Florrie..... <i>Diploma, 1942; B.S., 1942.</i>	Duke Hospital
Sowers, Lucy Jo (Mrs. William Ernst)..... <i>Diploma, 1941.</i>	Waterbury, S. C.
Steigleman, Betty..... <i>Diploma, 1942.</i>	Assistant Nursing Arts Instructor, Duke Hospital
Stone, June..... <i>Diploma, 1942.</i>	Duke Hospital
Strother, Sarah (Mrs. Evan Cecil)..... <i>Diploma, 1936.</i>	1090 Akwood Court, High Point, N. C.
Sugg, Norma (Mrs. William Horner, Jr.) <i>Diploma, 1934.</i>	
Thomas, Vera (Mrs. David McCulloch).....	Nursing Office, Duke Hospital
Thompson, Elizabeth (Mrs. George Pope)..... <i>Diploma, 1936.</i>	Duke Hospital
Threwer, Emma (Mrs. Vincent Doolittle)..... <i>Diploma, 1933.</i>	Rockingham, N. C.
Tilett, Grace (Mrs. John Wiggins)..... <i>Diploma, 1933; B.S., 1938.</i>	Durham, N. C.
Umbel, Waneta..... <i>Diploma, 1938; B.S., 1938.</i>	Night Supervisor, Norwalk General Hospital, Norwalk, Conn.
Wade, Sarah..... <i>Diploma, 1941.</i>	A. N. C., 65th General Hospital
Wagner, Josephine..... <i>Diploma, 1940.</i>	614 Virginia Ave., Roanoke, Va.
Ward, Jessie (Mrs. L. C. Roberts)..... <i>Diploma, 1933; B.S., 1938.</i>	2028 Sunset Ave., Durham, N. C.
Ware, Frances..... <i>Diploma, 1934; B.S., 1939.</i>	Public Health Dept., Leaksville, N. C.
Warren, Susan..... <i>Diploma, 1941.</i>	A. N. C., 65th General Hospital
Weaver, Martha..... <i>Diploma, 1940.</i>	Asheville, N. C.
Weeks, Charlotte..... <i>Diploma, 1940; B.S., 1940.</i>	Emory University Hospital, Atlanta, Ga.
Wehunt, Rosabelle..... <i>Diploma, 1936.</i>	Surgical Supervisor, Duke Hospital
Weintz, Edith..... <i>Diploma, 1942; B.S., 1942.</i>	Head Nurse, Duke Hospital
Whippe, Isabelle..... <i>Diploma, 1942.</i>	Duke Hospital
Whitener, Marion..... <i>Diploma, 1941; B.S., 1941.</i>	Head Nurse, Duke Hospital
Whitley, Maurine (Mrs. George Udhe) <i>Diploma, 1934.</i>	General Duty, Johns Hopkins Hospital, Baltimore, Md.

<i>Name</i>	<i>Address</i>
Wilkinson, Dorothy..... <i>Diploma, 1936.</i>	Private Duty, Durham, N. C.
Wilkinson, Elizabeth (Mrs. Everette Tompkins) <i>Diploma, 1940; B.S., 1940.</i>	333 Main St., West Concord, Mass.
Williams, Mary..... <i>Diploma, 1936.</i>	A. N. C., 65th General Hospital
Wilson, Helen (Mrs. A. S. Mathews)..... <i>Diploma, 1933.</i>	521 S. Dargan St., Florence, S. C.
Wilson, Sarah (Mrs. William Eckbert) <i>Diploma, 1938.</i>	2912 Dunmurray Rd., Apt. D, Baltimore, Md.
Wirt, Emma..... <i>Diploma, 1942; B.S., 1942.</i>	A. N. C., 65th General Hospital
Wooten, Julia..... <i>Diploma, 1937.</i>	Clinic Nurse, Duke Hospital
Wynn, Wilda (Mrs. Jack Cooper)..... <i>Diploma, 1942; B.S., 1942.</i>	Duke Hospital
Yarborough, Pearl..... <i>Diploma, 1933.</i>	Private Duty, Durham, N. C.
Yates, Virginia (Mrs. C. W. Camalier) <i>Diploma, 1936.</i>	Sibley Memorial Hospital, Washington, N. C.
Young, Helen..... <i>Diploma, 1941.</i>	Cook County, Chicago, Ill.
Zirkle, Margaret..... <i>Diploma, 1936.</i>	Columbia General Hospital, Columbia, S. C.

GEOGRAPHICAL DISTRIBUTION OF GRADUATES

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California	2
Connecticut	3
District of Columbia	1
Florida	8
Georgia	6
Illinois	2
Kansas	1
Kentucky	1
Maine	1
Maryland	4
Massachusetts	2
Michigan	2
New Jersey	4
New York	8
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ANNUAL BULLETINS

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THE SCHOOL OF FORESTRY



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DURHAM, NORTH CAROLINA
1943



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SCHOOL OF FORESTRY CALENDAR

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and will be supplied upon request.



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DUKE FOREST STAFF

KORSTIAN, CLARENCE FERDINAND, B.S.F., M.F., M.A., Ph.D. <i>Director</i>	1718 Duke University Road
MAUGHAN, WILLIAM, B.S., M.F. <i>Assistant Director</i>	5 Sylvan Road
BLACKMON, MANLY RANKIN <i>Superintendent</i>	2321 Erwin Road
RIGGSBEE, MOZETTE <i>Bookkeeper</i>	104 East Seeman Street

DUKE ARBORETUM

**HARRAR, ELLWOOD SCOTT, B.S., M.S., Ph.D. <i>In Charge</i>	2228 Cranford Road
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* Absent on active duty in Government service.

** Absent on active duty in war industry.

*** Absent on active duty in United States Navy.

FORESTRY IN DUKE UNIVERSITY

GENERAL STATEMENT

Duke University, located at Durham, North Carolina, comprises Trinity College, the Woman's College, the College of Engineering, the Graduate School of Arts and Sciences, the Divinity School, and the professional schools of Forestry, Law, Medicine, and Nursing. Nearly every state of the Union and several nations are represented in the student body of more than thirty-six hundred, not including the enrollment in the Summer Session.

The University goes back in its origin to 1838, when Union Institute was founded in Randolph County by the Methodists and Friends. In 1851 the institution became Normal College, one of the first schools in America for the training of teachers. In 1859 the name was changed to Trinity College and so continued until 1924, when the College became a part of Duke University.

By virtue of an indenture of trust, executed December 11, 1924, by James Buchanan Duke, a great benefaction was placed at the disposal of humanity by providing for hospitalization, church work in rural communities, and education. The principal feature of the educational provision was the creation of Duke University.

The University occupies two campuses. The Woman's College campus, with its 108 acres, was formerly the campus of Trinity College. About a mile to the west are the new units of the University. The new campus, totaling 467 acres, also known as the West Campus, was first occupied in September, 1930.

Forestry in Duke University began early in 1931, when, through placing the Duke Forest under intensive management for forestry purposes, a substantial beginning was made in laying the foundations for educational work and research in forestry.

An academic-forestry curriculum, designed for students intent upon pursuing the study of forestry, particularly as a profession after graduation, was organized in Trinity College of Duke University in 1932 (see *Announcement on Undergraduate Instruction in Duke University*). This four-year course of study provides only for instruction in fundamental and auxiliary subjects basic to a proper understanding of the highly specialized work in technical forestry. Duke University offers no professional degree in technical forestry available to undergraduates.

Training in technical forestry leading to the professional degrees, Master of Forestry and Doctor of Forestry, is offered in the School of Forestry, and is open to all graduates of the pre-forestry curriculum in Trinity College and to graduates of recognized scientific schools or colleges, universities, and professional schools of forestry.

Duke University is also prepared to offer, through the Graduate School of Arts and Sciences, graduate work in the more scientific aspects

of forestry leading to the Master of Arts and Doctor of Philosophy degrees. This work is available to graduates of schools of forestry of recognized standing, and to college or university graduates holding the Bachelor's degree with their major work in appropriate scientific subjects. Undergraduate subjects which the college student, who does not have forestry training but who is contemplating work toward either degree in forestry, should take in preparation for this work may be illustrated as follows: at least two full years in botany, including general morphology or anatomy, the taxonomy, physiology, and ecology of plants; at least one course in zoology or general biology; courses in chemistry, physics, geology, economics, mathematics; and at least two years of French or German.

Several staff members of the Appalachian Forest Experiment Station are engaged in co-operative research projects in the Duke Forest. Specialists from this station and other prominent members of the U. S. Forest Service and representatives of forest and wood-using industries give occasional scheduled lectures at the School.

EDUCATIONAL FACILITIES

The School of Forestry is located partly in Few Quadrangle and partly in the Biology Building along with the Departments of Botany and Zoology. The administrative offices, two classrooms, and the forest mensuration and statistical laboratory are in Few Quadrangle, while other laboratories and offices and the School Library are in the Biology Building. The Biology Building contains, in addition to classrooms, laboratories, and offices, a library, three refrigerated rooms, an incineration room, a workshop, and eight dark-rooms. The School is provided with instruments and tools for use in both field and laboratory work in silvics, silviculture, and forest mensuration. Modern surveying instruments and accessory equipment are available for work in forest surveying.

Laboratories for work in wood anatomy and properties are provided with microtechnique and photomicrographic instruments, wood-working machinery, a Henderson dry kiln, and a 50,000-pound Olsen Universal timber-testing machine. A modern forest soils laboratory equipped for physical and chemical studies is available. In the field of seasoning and preservation of wood a commercial-sized, single-compartment dry kiln and a fully equipped experimental pressure treating cylinder are available for instruction and research.

Facilities are also available for advanced work in plant physiology, plant anatomy, plant taxonomy, genetics, plant ecology, plant pathology, and the several branches of zoology. Many rooms in the Biology Building are equipped with vacuum, compressed air, direct and alternating electric current, gas, and running water.

The forestry section of the Library contains a growing collection of material on forestry, soils, and closely related subjects. It includes important books and periodicals in English and in French, German, and certain other foreign languages. The Library is well provided with

American material, including Federal and State documents and reports. Over 150 periodicals and serials of importance in forestry and related fields are received by subscription or exchange.

Greenhouses, connected to the Biology Building through a soil-storage and work room, provide adequate space for experimental work.

A nursery has been established by the University for the joint use of the Sarah P. Duke Floral Garden, the Botany Department, and the School of Forestry. The forestry section of this nursery is used mainly for the growing of planting stock for the Arboretum and trees needed for research or other special purposes.

THE DUKE FOREST

The Duke Forest, located in Durham and Orange counties, North Carolina, consists of three main units; namely, the Durham, New Hope Creek, and Hillsboro divisions. Early in the development of Duke University it was recognized that the possession of such an area offered an unusual opportunity for the development of educational work in forestry.

Situated on the lower Piedmont plateau at elevations ranging from 280 to 650 feet, and composed of second-growth shortleaf and loblolly pines, oak, gum, hickory, maple, yellow poplar, ash, and other hardwoods, the Forest is representative of the various types of timber growth found throughout the region. Over a hundred different species of trees are found within or near the Forest. The land is rolling and there is relatively little rock outcrop, swamp, or other land of low productivity for timber growing. The total area of the Forest proper, exclusive of the University campus, is approximately six thousand acres.

In developing the Duke Forest the following objectives are being emphasized:

1. Demonstration of the various methods of timber growing, silvicultural treatment, and forest management applicable to the region.

2. Development as an experimental forest for research in the problems of timber growing and in the sciences basic thereto. In spite of the present timber situation and the accompanying economic ills, the technical and scientific knowledge required to handle forest crops efficiently on a permanent basis is still largely lacking. The Duke Forest affords a place where investigations may be carried on to augment this knowledge for the large region of which the local forest and soil conditions are representative.

3. To serve as an outdoor laboratory where field work can be carried on by forestry students under the guidance of the Forestry Faculty. One of the most difficult problems in forestry education is to bring the students into contact with the realities of professional activities. With all operations in the Forest, both routine and investigative, recorded annually, it is possible for a qualified man to get in a short time a degree of practical knowledge or technical expertness which only an organized forest can provide.

The Duke Forest is particularly well located to serve as a field laboratory, since most of it is adjacent and easily accessible to the University campus. In fact, the Durham Division practically surrounds the West Campus, which was laid out in one corner of the Forest. A paved State highway runs lengthwise through the Durham Division, and several good roads cross the Forest. About fifteen miles of improved woods roads make all parts of the Forest readily accessible. A five-minute walk will take one well into the Forest, and any part of the Durham or New Hope Creek divisions can be reached by automobile in from ten to twenty minutes. At few other places in America can be found provision for forestry training and research which includes the necessary forest literally at the door of a large university with its instructional, laboratory, and library facilities.

Although the Forest has been but recently organized, considerable progress has been made toward carrying out the principal objectives recognized at the outset.

Most of the 1,286 acres of open land is, or until recently has been, cultivated. Such of the open land as is not restocking naturally to forest trees is being planted. Here students have an opportunity to study at first hand the results of many experimental plantations prepared for them in advance. Arbitrarily by mixing species and varying the spacing between the trees in the plantations now being made, the foundation is laid for future research into many perplexing problems, such as species relationships and requirements, the most desirable spacing and species to use in this region, and the survival and relative rates of growth of the different species of trees.

Over sixty permanent sample plots, ranging in size from one-tenth acre to one acre, have been laid out in the Forest to study various problems. The plots are distributed through all the forest types, and range in purpose from studies of the effects of various silvicultural practices to studies of rates of growth and yields of the different timber types. More plots are being established as rapidly as time and funds will permit. Accurate records are kept on all this work, which will provide excellent material for student research. In the future many of these plots can also be used to demonstrate desirable forestry practices.

The work of putting the Forest under intensive management is well under way. A complete inventory of the Forest has been made, and tabulations showing the present volume and annual growth of each separate timber stand are at hand. A forest type and timber stand map for each of the three divisions has also been completed. Each division has been subdivided into permanent compartments, and recommendations for the silvicultural treatment of the separate stands in each compartment, to be embodied in a management plan, are being formulated. Cutting operations within the limits of annual growth are being carried on, and as markets for definite products are developed or expanded, such operations will be increased. To date, approximately 810 acres in the pine types have been thinned. These thinnings serve the dual purpose of contributing

to the operation of the Forest as a going business and of demonstrating sound forestry practices. An efficient fire protection organization has been developed in co-operation with the State and Federal governments, and forest fire losses are being held to a minimum. In managing the Forest, public recreation activities are recognized. Several recreation areas have been established, and over fifteen thousand picnickers, hikers, and horseback riders use the area annually. The Durham and New Hope Creek divisions of the Forest, together with several hundred acres of neighboring privately owned land, are incorporated in an Auxiliary State Game Refuge to give the necessary protection which will ultimately result in an increased amount of game in the surrounding territory. Records are being maintained of all activities in the Forest, and these records will become increasingly useful as they are improved as a result of further experience and research. With the diversification and expansion of activities now going on, students have an opportunity to study an operating forest in all its phases and to obtain a grasp of the proper balance between theory and practice.

The Forest is admirably located for research in forest soils. An unusually large number of different soil conditions occur in the Forest because of the diversity of parent rock, topography, and past land culture. Major soil differences are due to the nature of the parent material which includes the basic rock of the Carolina Slate formation, granites, Triassic sedimentary rock, and many types of basic intrusives.

An exceptionally good opportunity exists for the conduct of forest research by graduate students due to the wide range in forest types, ages, and soil conditions within the Forest and its proximity to the laboratories, greenhouses, and other scientific equipment and library facilities of the University. Research has already been started on special problems, particularly in the fields of silvics, forest soils, forest-tree physiology, forest entomology, forest pathology, silviculture, forest management, and wood technology. The Forest is used not only for research in forestry but also for research in forest biology by members of allied departments.

THE ARBORETUM

A feature which will be of outstanding value in the teaching of both forestry and botany in the future is the provision for development of an arboretum. In their annual meeting on June 4, 1934, the Board of Trustees of Duke University, upon the recommendation of their Forestry Committee, voted to set aside permanently an area of over three hundred acres in the Forest to be used for arboretum purposes. The area lies adjacent to the main University campus immediately across the road from the Chapel.

Through the generosity of the late W. W. Flowers, of New York, a member of the Class of 1894 and a Trustee of the University, it has been possible to develop preliminary plans and to make a number of plantings. This is naturally a long-time project, and many years will elapse before the Arboretum will be most useful and most attractive. The University

Trustees' Committee on Forestry in their report to the Board refers to the Arboretum as follows:

"The Arboretum should serve as a station for the study of trees and woody plants as individuals and in small groups in their scientific relations, economic properties, and cultural characteristics, requirements, and possibilities. It should render an economic service by acting as a research laboratory where trees and shrubs can be studied from the viewpoint of a fuller utilization of their commercial possibilities. It should render a cultural service by serving as a center where foresters, landscape architects, nurserymen, gardeners, and the general public may increase their knowledge of indigenous trees and shrubs and where they may become acquainted with the foreign species that can be grown here. Within the University the Arboretum will supply living specimens and material for several branches of botany and forestry."

The development of the Arboretum will proceed along these lines as rapidly as available funds and planting stock will permit.

FELLOWSHIPS, SCHOLARSHIPS, AND RESEARCH ASSISTANTSHIPS IN FORESTRY

A number of fellowships, scholarships, and research assistantships are available to men who offer promise of becoming leaders in the forestry profession. These will be awarded for high character and marked scholastic ability as judged by education, experience, and personal references.

Holders of the awards will pay tuition and such additional fees as are regularly required.

The awards are of three classes with stipends and special conditions as follows:

(1) Fellowships of \$400 and \$600 each. Each recipient must have previously completed work equivalent to that required at Duke University for a Master's degree with major in forestry or in a discipline basic to forestry. He will devote his entire time to an approved program of study and research in any of the branches of forestry. He is expected to become a candidate for the degree of Doctor of Forestry or Doctor of Philosophy.

(2) Scholarships of \$250 each. Each recipient will normally devote his entire time to an approved program of study leading to the degree of Master of Forestry or Master of Arts with a major in forestry.

(3) Research assistantships of \$500 each. Each recipient will devote half-time to field, laboratory, or other work of the research program of the School of Forestry. He will be permitted to enroll for not more than 20 semester hours in a school year on a program of study, or study and research, leading to the degree of Master of Forestry, Master of Arts, Doctor of Forestry, or Doctor of Philosophy.

The following arrangements are common to all fellowships, scholarships, and research assistantships in forestry:

(1) Each applicant must have received a Bachelor's degree from an acceptable professional school of forestry or must be a graduate of a recognized college or university. If an applicant is not a graduate of a school of forestry he must have had major work in botany or soil science and in the allied basic sciences. Each applicant must show reasonably high scholarship. Preference will be given to men who have already obtained technical or professional training in forestry.

(2) It is highly desirable that each applicant state as specifically as possible the field in which he wishes to study. The definite selection of a major field of work—one that is specific in purpose and involves training both in fundamentals and in technique—is very helpful to the Committee on Awards.

(3) Application blanks for fellowships, scholarships, and research assistantships may be obtained by writing to the Dean of the School of Forestry, Duke University, Durham, North Carolina. When the blank has been filled out by the applicant, it should be returned to the above address, and an *official transcript of record* showing college or university credits must accompany it or be forwarded promptly. The application and transcript must be filed not later than March 1 for consideration for the following academic year. In case vacancies occur, applications submitted on a later date may be considered.

REQUIREMENTS FOR ADMISSION TO THE SCHOOL OF FORESTRY

The following general requirements of the School of Forestry apply to candidates for the Master of Forestry degree:

Admission to the School of Forestry presupposes that the applicant is either a graduate of a scientific school, college, or university of high standing, but without professional training in forestry; or that he is a graduate of a professional school of forestry of recognized standing. He will present not less than four years of credit of collegiate grade, with at least as many quality-points as hours.¹

An applicant with no professional training in forestry will present a certified transcript of his academic record showing that he has had conferred upon him a degree in arts, science, or engineering; and that he has satisfactorily completed undergraduate work in minimum amount as follows:

One year of botany, including the morphology, physiology, and identification of plants.

One year each of English and of chemistry.

One course each in physics and in the principles of economics.

Mathematics, through college algebra and trigonometry.

It is urged that an applicant without professional training in forestry present additional credits in the above subjects and in one or more of the following subjects: soils, geology, mineralogy, petrology, climatology,

¹ Grades for each hour of college credit and also for credit earned in the School of Forestry are valued in quality-points as follows: "A," 3 points; "B," 2 points; "C," 1 point; "D," no points; and "F," no credit and -1 point.

surveying, languages (particularly German and French), sociology, political science, philosophy, psychology, and zoology.

An applicant who is a graduate of a professional school of forestry of recognized standing will present a certified transcript of scholastic record showing the award of a degree. Before registering for the first semester of residence, such applicants will be required to select the branch or branches of forestry in which they wish to concentrate the major part of their work and to prepare their proposed programs in conference with the appropriate faculty adviser.

Students must make application for admission in advance of the opening of the school year. Those students entering without acceptable courses in plane surveying, forest surveying, and forest mensuration must take the twelve weeks of work in these subjects in the Summer Session, and are required to submit their applications prior to May 1. Students entering with advanced standing in surveying and forest mensuration should make application before September 1. Application blanks will be sent upon request made to the Dean of the School of Forestry.

REQUIREMENTS FOR THE DEGREE OF MASTER OF FORESTRY

The degree of Master of Forestry (M.F.) is conferred upon students who have satisfactorily completed two years of study in technical forestry and one term of twelve weeks' work in plane surveying, forest surveying, and forest mensuration in the Summer Session. In addition to the summer school work a total of not less than sixty semester hours' credit is required for the M.F. degree, of which at least fifty-five shall be obtained in the School of Forestry. Each student must obtain at least as many quality-points as semester hours' credit under the quality-point system described in footnote 1 of the preceding section.

A two weeks' field trip to typical timber-harvesting, manufacturing, and other forestry operations in the South is conducted by the School and is required as a part of the work in Forest Products Industries (Forestry 212). Other students in the School of Forestry may be permitted to take this trip as opportunities will be available for special work and observations in other branches of forestry in forest types not represented in the Duke Forest. One semester hour of credit may be earned for participation in the field trip by registering for it in Forestry 212A.

No student may take less than fifteen or more than eighteen hours in any one semester without special permission of the School of Forestry Faculty. The following work will ordinarily be required of all candidates for the M.F. degree:

SUMMER SESSION

	S.H.
Plane Surveying (C. E. S110)	3
Forest Surveying (F. S150)	5
Forest Mensuration (F. S151)	4

FIRST YEAR

<i>First Semester</i>	S.H.	<i>Second Semester</i>	S.H.
Harvesting Forest Products (F. 211)	3	Forest Products Industries (F. 212)	3
Forest Entomology (F. 231)	3	Forest Pathology (F. 224)	4
Sampling Methods (F. 251)	2	Dendrology (F. 254)	2
Dendrology (F. 253)	2	Silvics (F. 264)	3
Wood Anatomy & Properties (F. 259)	3	Electives	
Forest Soils (F. 261)	3		

SECOND YEAR

Silviculture (F. 265)	5	Forest Valuation (F. 282)	3
Forest Economics (F. 279)	3	Seminar (F. 292)	1
Forest Management (F. 281)	4	Thesis	
Thesis		Electives	
Electives			

These are the normal requirements for the Master of Forestry degree, but for the duration of the war emergency a student, upon the recommendation of his adviser and approval by the Faculty, may substitute other available work for such required courses as are not offered while the student is in residence.

Each candidate is required to file in the office of the Dean of the School of Forestry on or before May 1 three copies of a thesis, type-written and bound in accordance with regulations set forth by the Faculty. The thesis shall be based upon an original study made in the field, laboratory, or library.

Work of equivalent grade done in residence at recognized schools of forestry may, with the approval of the Faculty, be accepted as credit toward the M.F. degree. A minimum of one year's residence is required at Duke University. Students who have had satisfactory undergraduate training in forestry may, with the approval of the Faculty, elect to devote the major portion of their time to research under the supervision of one or more members of the Faculty and prepare a more comprehensive thesis than is required of students entering the School without previous work in forestry. Students in the School of Forestry may take in allied departments of the University as electives certain courses approved by the Faculty.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF FORESTRY

THE DEGREE

The degree of Doctor of Forestry is a research degree. It is based primarily upon evidence of high attainments in a special field of forestry knowledge and upon the production of a thesis embodying the results of original research. It is not based merely upon the completion of a prescribed period of study or upon the obtaining of credit for a given number of courses.

A student who plans to enter upon a program of work leading to the degree of Doctor of Forestry should consult or enter into correspondence with the Dean of the School of Forestry. He will then be advised as to the possibility of obtaining the necessary instruction and supervision of research in the special field desired.

RESIDENCE

The normal period of resident graduate study, following satisfaction of the general requirements for admission to the Duke School of Forestry, is a minimum of two academic years after the student has obtained the graduate professional degree of Master of Forestry, or its equivalent. At least one of these two years of graduate study must be spent in actual residence at Duke University. With the approval of the Faculty of the School of Forestry work of equal grade done in residence at another college or university, or at a research station or institute not connected with a college or university, may be accepted toward a Doctor of Forestry degree. Only in connection with the preparation of the thesis will work be accepted that has been done elsewhere than in residence at a college, university, research station, or institute. A student whose undergraduate work is insufficient in amount or unsatisfactory in character may be required to spend additional time in preliminary courses essential as a basis for the graduate work he proposes to undertake.

Students whose research is concerned with the study of trees and forest stands in the Duke Forest during the growing season may find it necessary to be at the University during the summer.

Credit for one year of work done in regular terms of the Summer Session at Duke University may be given with the approval of the School of Forestry Faculty. Except in unusual cases, graduate work of fragmentary character taken over a long period of years, or work completed many years before the student becomes a candidate for the degree at Duke University, will not be accepted as satisfying the requirements of residence.

APPLICATION FOR CANDIDACY

No student will be admitted as a candidate for the degree of Doctor of Forestry until he has obtained the professional graduate degree of Master of Forestry or its equivalent, either at Duke University or at a professional school of forestry of recognized standing. A student desiring to become a candidate for the Doctor of Forestry degree is ordinarily required to file with the Dean of the School of Forestry, at the beginning of his graduate work toward this degree, a formal application indicating in which field and under what professor he proposes to carry on research. A committee of the Faculty will then be appointed to supervise the student's work, with the professor in charge of his research as chairman. If and when the committee finds that the preliminary requirements of the major field have been satisfied, the chairman of the committee will report the fact in writing to the Dean of the School of Forestry. In the case

of students who come to Duke University for only the last year of graduate work, and in special cases approved by the School of Forestry Faculty, the application for recognition as a candidate for the Doctor of Forestry degree may be filed later than provided above, but not later than October 15 of the academic year in which it is desired that the degree be conferred.

PROGRAM OF STUDY

The program of study of a candidate for the Doctor of Forestry degree will be arranged after consultation with the committee provided for in the preceding section and is subject to the approval of the Dean and Faculty of the School of Forestry. The student must select a major field and one or two minor related fields. Both major and minor may be selected in different branches of forestry or the minor may be taken in a related field in some other school or department of Duke University.

FOREIGN LANGUAGES

A reading knowledge of two foreign languages is required. One language shall be either French or German, and the other optional to fit the requirements of the student's problem. No student may come up for his preliminary examination before having satisfied the language requirements for the Doctor's degree. Foreign language examinations are conducted by the appropriate language department or, in special cases, by a qualified member of the Faculty of Duke University.

PRELIMINARY EXAMINATION

Toward the end of the first full year of graduate work for the Doctor of Forestry degree (or in special cases early in the second year), a preliminary examination of each candidate will ordinarily be held covering the general field of his studies. This examination will be conducted by the committee in charge of the student's work and will be written. A student who passes the examination will be recognized as a candidate for the Doctor of Forestry degree. A student's major and minor subjects will ordinarily be included in this preliminary examination.

If a student fails on his first examination, he may make a second attempt after six months upon recommendation of his committee and the approval of the Dean of the School of Forestry. Two failures on this examination make the student ineligible to continue work toward the Doctor of Forestry degree at Duke University.

THESIS

The thesis for the Doctor of Forestry degree must be a contribution to knowledge. The subject of the thesis must be filed with the Dean of the School of Forestry on or before October 15 of the academic year in which the candidate desires to take the final examination for his degree. The subject must receive the written approval of the professor under

whom the thesis is being written and of the Dean of the School of Forestry. The thesis must be completed to the satisfaction of the major professor. Four typewritten copies in approved form must be deposited with the Dean of the School of Forestry on or before April 15 if the student desires to be examined on the thesis in the same academic year. The title page must be approved by the Dean of the School of Forestry. Two of the copies, the original and a carbon copy, are placed in the School of Forestry library, one copy goes to the major adviser, and one is returned to the student.

The candidate's thesis must be published either in its original form or in a modified form approved by the Dean of the School of Forestry and the committee in charge of the candidate's work. In its published form the title page should include this statement: "A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Forestry in the School of Forestry of Duke University." Ten copies of the published thesis should be deposited in the office of the Dean of the School of Forestry within a reasonable time after publication. The degree will not be conferred until publication of the thesis, in approved form, within three years has been guaranteed in a way satisfactory to the Dean of the School of Forestry and the professor under whom the thesis was written.

FINAL EXAMINATION

The final examination will be on the thesis and on related subject matter and will be oral. Approximately one year must elapse between the dates of the preliminary examination and the final examination, except in special cases approved by the School of Forestry Faculty. Two failures on this examination make a student ineligible to continue work toward the Doctor of Forestry degree at Duke University. The second examination may be given only upon the recommendation of the professor in charge of the thesis and the approval of the Dean of the School of Forestry.

GRADING

Members of the Faculty are expected to report grades of graduate students to the School of Forestry Office not later than February 15 for the first semester and not later than June 15 for the second semester on the cards provided for that purpose. An average grade of "B" or better will be required for all work, beyond that for the degree of Master of Forestry, that is to be credited toward the Doctor of Forestry degree. A mark of "Incomplete" may be given when a student has failed, for an acceptable reason, to complete some portion of the required work in which his standing is generally satisfactory. Unless a report is made within one year that the work has been satisfactorily completed, all credit will be lost.

FORESTRY IN THE GRADUATE SCHOOL

Graduate work toward the Master of Arts and Doctor of Philosophy degrees in the more scientific branches of forestry is available to adequately prepared students at Duke University. This work is given through the Division of Forestry of the Graduate School of Arts and Sciences by certain members of the School of Forestry Faculty.

The following special conditions will influence the acceptance of students for graduate study in forestry: The student must have received a degree from a professional school of forestry of recognized standing or from an approved college or university. Graduates of professional schools of forestry must also have had adequate training in liberal arts and sciences, approximating 86 semester hours, before being admitted to candidacy for the Master of Arts or Doctor of Philosophy degrees. College graduates who have had specialized training in botany or soil science and in allied basic subjects, such as physics, chemistry, geology, and zoology, may pursue graduate study and research only in the specialized fields for which their previous work has qualified them.

The Forestry Staff will determine whether a student is qualified to pursue graduate study in any of the special fields of forestry in which work is available.

The Master of Arts and Doctor of Philosophy degrees are attained through scientific work rather than technical or professional training in forestry. Work for these degrees may be pursued only in forest-tree physiology, wood anatomy and properties, forest pathology, forest entomology, silvics, forest soils, forest mensuration, forest management, and forest economics, except that a major cannot be taken in forest management. A student upon registration chooses a field of study which may lie in two or more departments. The members of the Graduate School Faculty best qualified in that field are named as the student's advisory committee, regardless of the department of which they are members. This committee will advise the student in the planning and conduct of his work and will evaluate it when completed.

A reading knowledge of French and German must be acquired early in the course of graduate study in forestry because much of the forestry literature of the world is written in or has summaries in these languages. For the Ph.D. degree the language requirement must be met before the preliminary examination is taken and usually before the preparation of the thesis is begun.

The length of time required for a student to obtain the Master of Arts and Doctor of Philosophy degrees in forestry is determined by the character of his previous work and by the quality of his work in the Graduate School. Upon the recommendation of the Forestry Staff and with the approval of the Council on Graduate Instruction, work of equal grade done in residence at another college or university, or at a research

station or institute not connected with a college or university, may be accepted toward a Ph.D. degree, but at least the last year or the first two years of graduate study must be spent in actual residence at Duke University. Only in connection with the preparation of the thesis will work be accepted that has been done elsewhere than in residence at a college, university, or research station.

Students whose research is concerned with the study of trees and forest stands in the Duke Forest during the growing season may find it necessary to be at the University during the summer.

The field of study may include advanced work in allied subjects as well as advanced work in forestry. The student should have covered, however, most of the basic subjects prior to entering the Graduate School. The required advanced work will depend upon the student's previous training and the special field of study selected. Before beginning his work the student must obtain approval of his proposed program of study, including the plans for the research for his thesis. Courses of study must be correlated with each other and with the thesis research.

For further information on requirements for admission to the Graduate School of Arts and Sciences and on the general requirements for the Master of Arts and Doctor of Philosophy degrees reference should be made to the *Bulletin of the Graduate School of Arts and Sciences*.

COURSES AND SUBJECTS OF INSTRUCTION

With the exception of the summer session courses, odd-numbered courses are offered in the autumn semester, and even-numbered courses are offered in the spring semester.

IN THE SUMMER SESSION

C.E. S110. Plane Surveying.—A special section of C.E. S10 intended for students in Forestry and others of advanced standing. *Three weeks, nine hours a day, beginning May 25. 3 s.h.*

PROFESSORS BIRD AND W. H. HALL AND MR. WILLIAMS

S150. Forest Surveying.—Application of plane surveying to forest problems; practice in making boundary and topographic surveys of forested tracts, using both intensive and extensive methods. Work includes use of transit, level, traverse board, topographic abney and slope tape, and aneroid barometer. Prerequisites: Civil Engineering, S110, plane surveying, or equivalent. *Five weeks, eight hours a day. 5 s.h. (w)*

ASSOCIATE PROFESSOR MAUGHAN

[Not offered summer 1943]

S151. Forest Mensuration.—Field studies in methods of measuring content and growth of trees and forest stands; practice in timber estimating, log scaling, use of mensurational instruments, and collection of basic data. *Four weeks, eight hours a day. 4s.h. (w)*

PROFESSOR SCHUMACHER

[Not offered summer 1943]

FOR SENIORS AND GRADUATES

211. Harvesting Forest Products.—Methods of harvesting and transporting to utilization plants all products obtained from forests, including saw logs, pulpwood, poles, ties, stave and veneer bolts, naval stores, distillation wood, and other commercial commodities, with emphasis on application of methods best adapted to managed forests in important forest regions of North America and consideration of costs. *3 s.h. (w)*

PROFESSOR WACKERMAN

212. Forest Products Industries.—Preparation, manufacture, and use of tree products for all purposes including lumber, paper, naval stores, veneer, cooperage, boxes, distillation, and other specialized products with emphasis on methods of manufacturing and kinds of wood required for various commodities. Inspection of typical forest operations and forest products manufacturing plants in the South during two weeks of spring semester. *3 s.h. (w)*

PROFESSOR WACKERMAN

213. Seasoning and Preservation of Wood.—Principles of seasoning lumber and other forest products by air drying and kiln drying, types of kilns and their operation; principles, methods, and materials used in treating wood to increase its durability. *3 s.h. (w)*

PROFESSOR WACKERMAN

214. Marketing Forest Products.—Methods of selling and distributing timber, lumber, and other forest products in domestic and foreign trade; transportation methods; promotional activities of trade associations; competition between producing regions for markets and problems arising from the development of wood substitutes. Prerequisites: Forestry 211 and 212, or equivalents. *3 s.h. (w)*

PROFESSOR WACKERMAN

224. Forest Pathology.—Special reference to diseases of forest trees. Prerequisites: Botany 1 and 2, and Forestry 253-254, or equivalents. *4 s.h. (w)*

PROFESSOR WOLF

231. Forest Entomology.—Morphology, general classification, life histories, and control of insects injurious to forest trees, logs, and lumber. 3 s.h. (w) PROFESSOR BEAL

236. Forest Game Management.—Characteristics and life histories of forest animals; interrelationship between animals and forests; management of forest animals for revenue; control of noxious species. 3 s.h. (w) PROFESSOR BEAL

251. Sampling Methods in Forestry.—Statistical background for solution of sampling problems with special reference to sample inventory of a forest property. Prerequisite: Forestry S151. 2 s.h. (w) PROFESSOR SCHUMACHER

252. Forest Mensuration.—Empirical equations and curve fitting appropriate for construction of timber yield tables, tree volume and taper tables; significance tests and graphical solution of equations. Assignments require operation of calculating machines. Prerequisite: Forestry 251. 2 s.h. (w) PROFESSOR SCHUMACHER

253-254. Dendrology.—Nomenclature, classification, and identification of woody plants with special reference to species indigenous to southeastern United States and other important forest regions of temperate North America. Laboratory and field work. Prerequisite: one year of botany. 4 s.h. (w) PROFESSOR BEAL

256. Wood Pulp and Pulp Products.—Characteristics of pulp and paper fibres; processes employed in pulp manufacture; methods of refining and testing pulps; theory and practice of bleaching and hydration; the manufacture of papers and other cellulose derivatives. Prerequisites: Forestry 212 and 259, or equivalents. 3 s.h. (w) ASSOCIATE PROFESSOR HARRAR
[Probably not offered 1943-44]

257. Design of Forestry Experiments and Analysis of Data.—Role of experimental design in field and laboratory, and statistical analysis of data as aspects of scientific method in forest research. 5 s.h. (w) PROFESSOR SCHUMACHER

259. Wood Anatomy and Properties.—Anatomical, chemical, and non-mechanical physical properties of wood; macroscopic and microscopic identification of more important woods of the United States. Prerequisites: one year of Botany and Chemistry 1 and 2, or equivalents. 3 s.h. (w) ASSOCIATE PROFESSOR HARRAR
[Probably not offered 1943-44]

260. Timber Mechanics.—Comprehensive study of mechanical properties of wood and factors affecting its strength; strength-moisture relationships; standard methods of timber testing and application of strength data in development of working stresses; use of graphic statics in analysis of stress in wooden structures. Prerequisites: Physics 1 and Forestry 259, or equivalents. 3 s.h. (w) ASSOCIATE PROFESSOR HARRAR
[Probably not offered 1943-44]

261. Forest Soils.—Origin, development, and classification of soils with special emphasis on those developed in climates supporting forests; morphological, physical, and chemical properties of soils in relation to growth of trees; field identification, field sampling, laboratory analysis, and interpretation of field and laboratory observations; interrelationships of soil and forest cover. Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. 3 s.h. (w) ASSOCIATE PROFESSOR COIL
[Not offered 1943-44]

264. Silvics.—Ecological foundations of silviculture with special reference to forest site factors; influence of forests on their environment; growth and development of trees and stands; origin, development, and classification of forest communities; methods of studying forest environments. Desirable prerequisites: plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. **3 s.h. (w)**
 PROFESSOR KORSTIAN

265. Theory and Practice of Silviculture.—Principles governing natural regeneration and treatment of forest stands and their application to main commercial forest species, types, and regions of temperate North America; reproduction methods, intermediate cuttings, cultural operations, and silvicultural plans. Field practice includes marking timber for various kinds of cuttings, cultural treatments, preparation of plans for silvicultural treatment of forests, and study of intensively managed forests. Prerequisite: Forestry 264 or equivalent. **5 s.h. (w)**
 PROFESSOR KORSTIAN

266. Forest Seeding and Planting.—Place of artificial regeneration in practice of forestry; reforestation surveys and plans; collection, extraction, cleaning, testing, and storage of forest tree seeds; direct seeding; nursery practice; forest planting. **2 s.h. (w)**
 PROFESSOR KORSTIAN

273. Forest Protection.—Fundamental principles of forest protection; protection against atmospheric agencies, injurious plants, insects, domestic animals, and wild life; causes of forest fires and their prevention; presuppression activities; fire suppression; fire control costs and standards; fire plans. **2 s.h. (w)**
 ASSOCIATE PROFESSOR THOMSON

[Not offered 1943-44]

276. Forest Policy.—Critical study of forestry movement and development of a forestry policy, particularly in United States; brief résumé of forestry in important foreign countries; public land laws of United States; development of Federal and State forestry; forestry laws. **2 s.h. (w)**
 ASSOCIATE PROFESSOR THOMSON

[Not offered 1943-44]

279. Economics of Forestry.—Principles of forest economics. Economic and social values of forests; forest resources and wood requirements; economics of wood production and consumption; prices of forest products; forestry and public finance; forestry and land use; forestry credit; forest fire insurance; forestry as a private business enterprise. Prerequisite: at least one course in the principles of economics. **3 s.h. (w)**
 PROFESSOR WACKERMAN

PROFESSOR WACKERMAN

281. Forest Management.—Principles of organizing forest properties for systematic management including surveys, inventories, subdivision, and preparation of management plans for control of operations; principles of forest regulation, actual and normal forests, rotations, cutting cycles, and methods of regulating the cut for sustained yields. Prerequisites: Forestry S150, S151, and 251, or equivalents. **4 s.h. (w)**
 ASSOCIATE PROFESSOR MAUGHAN

ASSOCIATE PROFESSOR MAUGHAN

282. Forest Valuation.—Principles involved in appraising value of forests as business enterprises; valuation of land and timber, soil rent and forest rent theories, cost values, market values and capital values, profit, and rate earned; appraisal of stumpage values and damage appraisals; financial aspects of sustained yield management compared with destructive logging. Prerequisite: Forestry 281 or equivalent. **3 s.h. (w)**
 ASSOCIATE PROFESSOR MAUGHAN

ASSOCIATE PROFESSOR MAUGHAN

292. Seminar.—Interrelation of various branches of forestry in their application to forestry problems; assigned topics with special reference to current forestry activities. **1 s.h. (w)**
 THE STAFF

THE STAFF

211A to 282A. Special Studies in Forestry.—Work on the same level as the foregoing Senior-Graduate courses to meet the needs of individual students. Credits and hours to be arranged. THE STAFF

FOR GRADUATES

301-302. Advanced Studies in Forestry.—Credits to be arranged. To meet individual needs of graduate students in the following branches of forestry:

a. Silvics.—Prerequisites: Forestry 253-254, 261 and 264 or equivalents. PROFESSOR KORSTIAN

b. Forest Soils.—Prerequisite: Forestry 261 or equivalent.
[Not offered 1943-44] ASSOCIATE PROFESSOR COILE

c. Silviculture.—Prerequisite: Forestry 265 or equivalent. PROFESSOR KORSTIAN

d. Forest Management.—Prerequisite: Forestry 281 or equivalent. ASSOCIATE PROFESSOR MAUGHAN

e. Forest Economics.—Prerequisite: Forestry 279 or equivalent.
[Not offered 1943-44] ASSOCIATE PROFESSOR THOMSON

f. Wood Anatomy and Properties.—Prerequisites: Forestry 259 and 260, or equivalents. ASSOCIATE PROFESSOR HARRAR
[Probably not offered 1943-44]

g. Forest Mensuration.—Prerequisites: Forestry S151, 251, and 252, or equivalents. PROFESSOR SCHUMACHER

h. Forest Entomology.—Prerequisite: Forestry 231 or equivalent. PROFESSOR BEAL

i. Forest Utilization.—Prerequisites: Forestry 211 and 212, or equivalents. PROFESSOR WACKERMAN

j. Dendrology.—Prerequisite: Forestry 253-254 or equivalent.
[Probably not offered 1943-44] ASSOCIATE PROFESSOR HARRAR

311. Advanced Forest Utilization.—Analysis of the principles of determining the cost of and returns from harvesting timber for various products and other uses of forests; study of factors governing the relation of tree size to net stumpage values; and the application of these principles and methods in the solution of actual case problems. Prerequisite: Forestry 211 or equivalent. 2 s.h. (w) PROFESSOR WACKERMAN

323-324. Advanced Forest Pathology.—Advanced study and research on life histories and control of diseases of forest trees to meet individual needs of graduate students. Prerequisites: plant physiology and forest pathology. Credits to be arranged. PROFESSOR WOLF

351-352. Advanced Physiology of Forest Trees.—Advanced study and research on problems in physiology of forest trees to meet individual needs of graduate students. Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged. ASSOCIATE PROFESSOR KRAMER

354. Forest Soil Fertility.—Experimental approach to the problems of fertility in forest soil. Influence of stand composition on nitrogen transformation. Methods of studying the exchange complex and the significance of base exchange in forest soil fertility. Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. **3 s.h. (w)**
[Not offered 1943-44]

ASSOCIATE PROFESSOR COILE

356. Economic Forces in Forestry.—Analysis of classical and contemporary theories of forest valuation. Principles underlying the measurement of forces determining forestry values. Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. **2 s.h. (w)**
[Not offered 1943-44]

ASSOCIATE PROFESSOR THOMSON

357-358. Research in Forestry.—Credits to be arranged. Students who have had adequate training may do research under direction of members of the Faculty in the branches of forestry indicated under Courses 301-302 with the same prerequisites as thereunder noted. Each branch to bear the same letter designation as under Courses 301-302.

THE STAFF

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking laboratory courses. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester	\$ 25.00
Tuition, per semester	100.00
Room-rent—see the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester	5.00
Damage Fee, payable annually at the time of first registration	1.00
Medical Fee, per semester	5.00
Library Fee, per semester	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred	3.00
Diploma Fee, payable by candidates for degrees, at the beginning of the second semester, refunded if the diploma is not awarded	5.00

For further information concerning room-rent, see below.

SPECIAL FEES

Graduate students in the sciences are required to pay the special laboratory fees for courses as fixed by the various departments. An administrative fee is charged in connection with special research in the summer under direction of a member of the Faculty. Special laboratory and materials fees in forestry are as follows:

Forestry 224, 253, 259, 260, 264, 301a, 302a, 357a, and 358a	\$2.50
Forestry 261, 351-352, 354, 301b, 301f, 302b, 302f, 357b, 357f, 358b, and 358f	\$2.50 to \$5.00

TRANSCRIPTS

A student desiring to transfer from Duke University to another institution is entitled to one transcript of his record. A charge of one dollar is made for each additional copy.

PAYMENTS TO FELLOWS AND SCHOLARS

Payments by the University of stipends to fellows, research assistants, and scholars are made in four installments, on November 25, January 25, March 25, and May 25.* Fellows and scholars are required to pay the regular tuition fee and such additional fees as are ordinarily required of graduate students.

* This date of payment will be adjusted to accord with the advancement in the date of Commencement.

ROOMS AND CONDITIONS OF RENTING THEM**ROOM-RENT FOR MEN OF DUKE UNIVERSITY**

West Campus, per semester.....	\$50.00, \$62.50, and \$75.00
East Campus, per semester.....	\$30.00 and \$50.00

All graduate courses are given on the West Campus.

Rooms are reserved only for students who have been officially accepted by the University. They are rented for no shorter period than one semester. The occupancy of a room for a period of less than one semester will cost the student \$1.00 each day unless the occupant makes the necessary arrangements with the Director of the Business Division before occupying the room. A room deposit of \$25.00 is required of each applicant for admission. The fee is deducted from the room charges at the time of registration for the full semester. The reservation fee will be refunded to any applicant not accepted by the University provided the official receipt for the fee, given to all paying it, is presented either in person or by letter to the Treasurer's Office, but students who make application and are accepted will not be entitled to have the reservation fee refunded unless the request is made on or before August 1.

A resident student who wishes to retain his room for the succeeding year must first pay a reservation fee of \$25.00 to the Treasurer's Office and then notify the office of the Director of the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. When a room is once engaged by a student, no change will be permitted except with the consent of the Director of the Business Division. Leaving one room and occupying another without permission is strictly against the rule and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. The use of a room for merchandising of any kind is strictly forbidden.

The University does not assume the responsibility of selecting and assigning roommates, though it will gladly render any assistance possible in the matter.

DORMITORIES FOR MEN

On the West Campus there are four groups of dormitories, Craven, Crowell, Kilgo, and Few. Each group forms a quadrangle enclosing a court. Few Quadrangle is reserved especially for the use of graduate and professional school students.

BOARDING ACCOMMODATIONS

West Campus.—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient to provide in a superior way for all resident men students. It is the policy of the University to furnish board to its students at actual cost. Charges for board will not exceed \$25.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barbershop, and all publication staff offices.

In addition to the Union dining halls a coffee shop is operated for the convenience of students and visitors.

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a graduate student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum cost, while all charges made by the University have been kept low. Incidental expenses naturally depend upon the tastes and habits of the individual. The following table gives the necessary college expenses for one year:

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition	\$200.00	\$200.00	\$200.00
Matriculation	50.00	50.00	50.00
Room-rent	100.00	125.00	150.00
Board	225.00	225.00	225.00
Laundry	20.00	25.00	30.00
Books	22.50	30.00	45.00
Library Fee	10.00	10.00	10.00
Athletic Fee	10.00	10.00	10.00
Damage Fee	1.00	1.00	1.00
Medical Fee	10.00	10.00	10.00
<i>Total</i>	<u>\$648.50</u>	<u>\$686.00</u>	<u>\$731.00</u>

ENROLLMENT, 1942-43

STUDENTS IN THE SCHOOL OF FORESTRY

<i>Name</i>	<i>Home Address</i>	<i>University Address</i>
*Berry, Frederick Hamer.....	Staunton, Va.	AA-203
*Conrad, Joseph Locke, Jr.....	Durham, N. C.	830 Mangum Street
**Deckert, Russell Coulter.....	Palmyra, Pa. B.S.F., University of Georgia, 1938	918 Urban Avenue
*DeLong, Thomas Stover.....	Reading, Pa.	Z-202
*Evans, Robert Rush.....	Connellsville, Pa.	Y-207
*Goodwin, Otho Creasy, Jr.....	Durham, N. C.	1621 Avondale Drive
**Haliburton, William.....	Montreal, West Que., Canada B.S.F., University of New Brunswick, 1940	HH-07
**Hostetter, Robert Dale.....	Kansas City, Mo. B.S., Colorado State College, 1941	116 Buchanan Boulevard
Matte, Lorenzo.....	Rimouski, Que., Canada B.A., Université Laval, 1932 Bachelor of Surveying, Université Laval, 1939 Forestry Engineer, Université Laval, 1939	1603 Duke University Road
***Robertson, James Campbell Hay	Fort Collins, Colo. B.S.F., University of Washington, 1927 M.S., University of California, 1935	Duke University
**Rudolph, Victor John.....	Little Falls, Minn. B.S., Utah State Agricultural College, 1941	Duke University
*Smedberg, William Waldemar...	Greensboro, N. C.	AA-202
*Troxell, Harry Emerson, Jr.....	Northumberland, Pa.	C-303
<i>Total</i>		13

STUDENTS OF FORESTRY IN THE GRADUATE SCHOOL OF ARTS AND SCIENCES

<i>Name</i>	<i>Home Address</i>	<i>University Address</i>
Barnes, George Hector.....	Logan, Utah B.S.F., University of Washington, 1924 M.S., University of California, 1929	University Apts., D-1-C
Buell, Jesse Howard.....	Asheville, N. C. B.S., Wesleyan University, 1922 M.F., Yale University, 1924	Duke University
Harper, Verne Lester.....	Chevy Chase, Md. B.S., University of California, 1926 M.F., Yale University, 1936	Duke University
Kozłowski, Theodore Thomas.....	Buffalo, N. Y. B.S., New York State College of Forestry, 1939 A.M., Duke University, 1941	Duke University
Massey, Calvin LeRoy.....	Wheatridge, Colo. B.S., Colorado State College, 1939 A.M., Duke University, 1940	1903 Lakewood Avenue
Wellwood, Robert William.....	Victoria, B. C., Canada B.A.Sc., University of British Columbia, 1935 M.F., Duke University, 1939	1021 Markham Avenue
<i>Total</i>		6

- * Candidate for the degree of Bachelor of Science in Trinity College.
 ** Candidate for the degree of Master of Forestry in 1943.
 *** Candidate for the degree of Doctor of Forestry in 1943.

INSTITUTIONS REPRESENTED

Colorado State College	2	University of Georgia	1
Duke University	10	University of New Brunswick	1
New York State College of Forestry	1	University of Washington	2
Université Laval	3	Utah State Agricultural College ...	1
University of British Columbia ...	1	Wesleyan University	1
University of California	3	Yale University	2
		<i>Total Institutions</i>	12

GEOGRAPHICAL DISTRIBUTION

United States

Colorado	2	North Carolina	4
Maryland	1	Pennsylvania	4
Minnesota	1	Utah	1
Missouri	1	Virginia	1
New York	1	<i>Total States</i>	9

Foreign Countries

Canada	3
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GENERAL SUMMARY

Students in the School of Forestry	13
Students of Forestry in the Graduate School of Arts and Sciences	6
<i>Total Enrollment</i>	19
Total number of institutions represented	12
Total number of states represented	9
Total number of foreign countries represented	1

VOLUME 15

February, 1943

NUMBER 4

BULLETIN OF DUKE UNIVERSITY

College of Engineering



1942-1943
ANNOUNCEMENTS FOR 1943-1944

PUBLISHED BY THE UNIVERSITY
DURHAM, NORTH CAROLINA

ANNUAL BULLETINS

For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES, apply to *The Dean of the Graduate School*, Duke University, Durham, N. C.

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For BULLETIN OF THE COLLEGE OF ENGINEERING, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE SUMMER SESSION, apply to *The Director of the Summer Session*, Duke University, Durham, N. C.

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BULLETIN
OF
DUKE UNIVERSITY



COLLEGE OF ENGINEERING

1942-1943
ANNOUNCEMENTS FOR 1943-1944

DURHAM, NORTH CAROLINA
1943

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UNIVERSITY CALENDAR

The calendar will be available at a later date
and will be supplied upon request.

1943

JANUARY	APRIL	JULY	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
FEBRUARY	MAY	AUGUST	NOVEMBER
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1944

JANUARY	APRIL	JULY	OCTOBER
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FEBRUARY	MAY	AUGUST	NOVEMBER
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ADMINISTRATIVE OFFICERS

ROBERT LEE FLOWERS, A.M., LL.D. <i>President of the University</i>	West Campus
WILLIAM HANE WANNAMAKER, A.B., A.M., Litt.D. <i>Vice-President and Dean of the University</i>	West Campus
HENRY R. DWIRE, A.B., A.M. <i>Vice-President</i>	403 W. Chapel Hill Street
WILLIAM HOLLAND HALL, A.B., A.M., B.C.E., M.S.C.E. <i>Dean, College of Engineering</i>	922 Urban Avenue
ALAN KREBS MANCHESTER, A.B., A.M., Ph.D. <i>Dean of Freshmen</i>	Myrtle Drive
WILLIAM ALLEN TYREE, A.B. <i>Director in the Business Division</i>	610 Buchanan Road

EXECUTIVE COMMITTEE, COLLEGE OF ENGINEERING

W. H. HALL, <i>Chairman</i>	
W. A. TYREE, <i>Secretary</i>	W. J. SEELEY
H. C. BIRD	R. S. WILBUR

INSTRUCTIONAL STAFF

HAROLD CRUSIUS BIRD, Ph.B., C.E. <i>Professor of Civil Engineering, Chairman of Department of Civil Engineering</i>	1209 Virginia Avenue
WILLIAM HOLLAND HALL, A.B., A.M., B.C.E., M.S.C.E. <i>Professor of Engineering</i>	922 Urban Avenue
WALTER JAMES SEELEY, E.E., M.S. <i>Professor of Electrical Engineering, Chairman of Department of Electrical Engineering</i>	1005 Urban Avenue
RALPH SYDNEY WILBUR, B.S. in M.E., M.E. <i>Professor of Mechanical Engineering, Chairman of Department of Mechanical Engineering</i>	1018 Demerius Street
*ROBERT G. CHAPMAN, B.S. in M.E., M.M.E. <i>Assistant Professor of Mechanical Engineering</i>	1007 Lakewood Avenue
ARTHUR CHARLES DURLAND, B.S., M.S. in M.E. <i>Instructor in Mechanical Engineering</i>	2007 Pershing Street
WILLIAM ARTHUR HINTON, B.S., M.S. in M.E. <i>Assistant Professor of Mechanical Engineering</i>	1110 Oval Drive
JERRY HOFFER, B.S. in A.E., M.S. in A.E. <i>Instructor in Aeronautics</i>	602 Buchanan Road

* Resigned, June 1, 1942.

- EDWARD K. KRAYBILL, B.S. in E.E.
Instructor in Electrical Engineering 113 Watts Street
- RALPH E. LEWIS, B.S. in M.E., M.S. in M.E.
Assistant Professor of Mechanical Engineering 1308 Markham Avenue
- OTTO MEIER, JR., B.S. in E.E., M.S., E.E.
Assistant Professor of Electrical Engineering 916 Monmouth Avenue
- FREDERICK JEROME REED, M.E., M.S.
Assistant Professor of Mechanical Engineering 2203 Englewood Avenue
- ERNEST S. THEISS, B.S. in M.E., M.S.
Instructor in Mechanical Engineering 2645 University Drive
- CHARLES ROWE VAIL, B.S. in E.E.
Instructor in Electrical Engineering 1001 Watts Street
- *JOHN DARGAN WATSON, A.B., B.S. in C.E., M.S., Sc.D.
Assistant Professor of Civil Engineering 2519 Club Boulevard
- JAMES WESLEY WILLIAMS, A.B., B.S. in C.E.
Instructor in Civil Engineering 206 Swift Avenue
-
- JOSEPH PHILLIP EDWARDS
Laboratory Technician in Electrical Engineering 2115 Englewood Avenue
-
- THOMAS S. BERRY, S.B., M.A., Ph.D.
Instructor in Economics 100 Vineyard Street
- LYMAN GAYLORD BONNER, A.B., Ph.D.
Instructor in Physics 2708 Nation Avenue
- WILLIAM MAXWELL BLACKBURN, A.B., B.A., M.A.
Associate Professor of English 713 Anderson Street
- CHARLES KILGO BRADSHAW, A.B., M.A., Ph.D.
Instructor in Chemistry 2302 Elder Street
- ASHBEL GREEN BRICE, A.B., A.M.
Instructor in English 814 Sixth Street
- DAVID WILLIAMS CARPENTER, A.B., A.M., Ph.D.
Assistant Professor of Physics 137 Pinecrest Road
- FRANCIS GEORGE DRESSEL, B.S., M.S., Ph.D.
Assistant Professor of Mathematics 309 Francis Street
- WILLIAM STONE FITZGERALD, A.B., A.M.
Instructor in English 3 Powe Apartments, 603 Watts Street
- JOHN JAY GERGEN, A.B., M.A., Ph.D.
Professor of Mathematics 1005 Monmouth Avenue
- LOUISE HALL, B.A., S.B. in Architecture, Brevet d'Art de la Sorbonne
Assistant Professor of Fine Arts 211 Faculty Apartments
- GEORGE HARWELL, A.B., A.M., Ph.D.
Instructor in English 2020 Pershing Street

* Absent on leave, U. S. Army, 1942-1943.

- **MALCOLM HAYDEN HEBB, A.B., Ph.D.**
Instructor in Physics 137 Pinecrest Road
- ARTHUR OWEN HICKSON, A.B., A.M., Ph.D.**
Assistant Professor of Mathematics 208 Legion Avenue, Tuscaloosa Forest
- DOUGLASS HILL, A.B., M.A., Ph.D.**
Assistant Professor of Chemistry Dixon Road
- MARCUS EDWIN HOBBS, A.B., A.M., Ph.D.**
Instructor in Chemistry 115 Pinecrest Road
- ARCHIBALD CURRIE JORDAN, A.B., A.M.**
Assistant Professor of English 147 Pinecrest Road
- JAMES CARLISLE MOUZON, B.A., Ph.D.**
Assistant Professor of Physics 132 Pinecrest Road
- KARL BACHMAN PATTERSON, A.B., A.M.**
Assistant Professor of Mathematics 1024 Monmouth Avenue
- WILLIAM WALTER RANKIN, JR., B.E., M.A.**
Professor of Mathematics 1011 Gloria Avenue
- JOHN H. ROBERTS, A.B., Ph.D.**
Associate Professor of Mathematics 2813 Legion Avenue
- C. RICHARD SANDERS, B.Ph., M.A., Ph.D.**
Assistant Professor of English 1004 Urban Avenue
- HENRY B. SCARBOROUGH, A.B., A.M.**
Instructor in Physics 1007 W. Trinity Avenue
- ROBERT NORTH WILSON, A.B., M.S.**
Professor of Chemistry 822 Third Street

Assisted by members of General Faculty listed in *General Bulletin*.

COUNCIL ON ENGINEERING INSTRUCTION

President R. L. FLOWERS
 Vice-President W. H. WANNAMAKER
 Dean W. H. HALL
 H. C. BIRD, Civil Engineering
 W. J. SEELEY, Electrical Engineering
 R. S. WILBUR, Mechanical Engineering

L. G. BONNER, Physics
 M. E. HOBBS, Chemistry
 FRANK DEVYVER, Economics
 C. R. SANDERS, English
 J. J. GERGEN, Mathematics
 W. A. TYREE, Secretary

** Absent on leave, government service.

ENGINEERING COURSES OFFERED

GENERAL STATEMENT

Duke University, through the College of Engineering, offers standard four-year courses in civil, electrical, and mechanical engineering, with an aeronautical option for mechanical engineers. These departments are housed respectively in Bivins, Asbury, Branson, and the Aeronautics Laboratory buildings. Allied subjects are taught on the East Campus in Carr, West Duke, and the Science buildings. The James H. Southgate Memorial Building, set aside for the housing of engineering students, contains social rooms, gymnasium, dining hall, and kitchen, as well as dormitory facilities. Meals are provided in this building at the same rate which prevails in the other University dining halls.

CURRICULA: All of the curricula of the College of Engineering are fully accredited by the Engineers' Council for Professional Development, recognized accrediting agency for engineering education. Fundamental training is given in English, mathematics, and the sciences, as well as in the technical subjects leading to professional work in civil, electrical, and mechanical engineering. Election of courses in the Department of Economics and Business Administration is encouraged in the belief that the combining of such courses with the rigorous engineering program affords excellent preparation for the types of commercial or industrial activities in which engineering training is most valuable.

FACULTY: The members of the Instructional Staff have been chosen particularly for their ability to teach. Instruction is given in small sections, thereby insuring personal attention. The laboratory is used to supplement the classroom, and at present the same instructor carries his class through both the classroom and laboratory work. This is made possible only where classes are limited in size.

STUDENT ACTIVITIES: Four national engineering societies, the American Institute of Electrical Engineers, the American Society of Civil Engineers, the American Society of Mechanical Engineers, and the Institute of the Aeronautical Sciences, are represented by student chapters operating under national charters. An honorary engineering fraternity, Delta Epsilon Sigma, was organized several years ago for the purpose of stimulating good scholarship among the engineering students. All five of these organizations afford unusual opportunities for the members to present papers and to conduct discussions in certain phases of engineering not covered in the classroom. Engineering students are in every sense a part of the student body of Duke University, enjoying the general advantages of the University and being subject to the general rules and regulations.

HISTORY: The teaching of engineering is not new at Duke University. From 1887 to 1893 formal courses in civil and mining engineering lead-

ing to the Bachelor of Science degree were offered by Trinity College. After their discontinuance in 1893, the teaching of engineering subjects was begun again in 1903 and has continued uninterruptedly since that time. At present there are three departments offering courses in civil, electrical, and mechanical engineering leading to the degree of Bachelor of Science in these branches of engineering. These three departments constitute the College of Engineering.

CIVIL ENGINEERING

The civil engineer's field of work may be divided into four major divisions: sanitary—dealing with water works, sewerage systems, and garbage disposal; hydraulic—interested in flood control, river improvement, irrigation, drainage, and water power; transportation—concerned with railroads, airports, highways, waterways, park systems, traffic control, and city planning; and structural—dealing with bridges, buildings, foundations, dams, tunnels, tanks, bins, and various industrial structures. His function is chiefly one of design and construction, although often it includes maintenance. In order to train a student in these various lines of effort, the following equipment is provided.

HIGHWAY MATERIALS: Complete equipment is available for the preparation and routine testing of aggregates, cement, and bituminous materials. There is also a Hubbard stability machine for additional tests.

SANITARY ENGINEERING: In the sanitary laboratory there is a complete equipment for performing the physical, chemical, bacteriological, and microscopic tests as outlined by the American Public Health Association. Different types of water current meters are available for work in steam gaging.

SOIL TESTING: This laboratory is fully equipped to carry out the experiments generally used in testing soil for highway purposes.

CEMENT TESTING: There is available complete equipment for the testing of cement and aggregates, such as an automatic shot-testing machine, flow table, Ro-Tap sieve shaker, a two-hundred-thousand-pound hydraulic compression machine, and other necessary supplies.

SURVEYING: For use in the courses in surveying there are thirteen transits, twenty-one levels, a precise theodolite and a precise level, three plane table outfits, solar attachments, sextants, compasses, barometers, and other light equipment.

STRESS ANALYSIS: Advanced work in stresses is carried on by means of a large-sized Begg's deformeter and photoelastic equipment.

GENERAL ENGINEERING MATERIALS: This laboratory, housed in the Civil Engineering Building, contains the equipment necessary to give undergraduate and graduate instruction in the determination of the physical properties of materials. In the laboratory are two universal testing machines, torsion, fatigue, and impact machines, a proving ring, several hardness testers, and an exceptionally complete set of accessories and small instruments for the determination of the stress-deformation characteristics of steel, wood, and concrete.

ELECTRICAL ENGINEERING

The field of electrical engineering covers the generation, transmission, distribution, and utilization of electrical energy: steam and hydro-electric generating stations; transmission systems; distribution circuits; communication by wire, radio, and television; transportation on land, sea, and air; illumination and manufacturing applications.

THE ELECTRICAL MACHINERY LABORATORY receives its electric power from the Duke Power Company over a 2300-volt, 60-cycle, three-phase line. The equipment includes A. C. to D. C. motor-generator set for supplying the laboratory with direct current, four direct-connected D. C. to D. C. motor-generator sets; two D. C. to A. C. belted sets; a G. E. sine wave motor-generator set; a Westinghouse phase displacement dynamometer; a General Electric type A. C.-D. C. synchronous converter, for one-, two-, three-, or six-phase operation; numerous single-phase constant potential transformers; a three-phase transformer; a constant current transformer equipped with a typical load of series street lamps; a high-current testing transformer; three-phase induction regulators; numerous loading devices, both electrical and mechanical; a number of representative D. C. and A. C. motors and generators; complete equipment for testing a large variety of fractional horsepower motors. In addition, the equipment includes a complete line of indicating, recording, and graphic measuring instruments for both general testing purposes and precision measurements, and three oscillographs with accessories for viewing and photographing wave forms.

THE COMMUNICATIONS LABORATORY is exceptionally well equipped and contains complete apparatus for carrying out all kinds of communication experiments at both audio and radio frequencies. The audio-frequency equipment includes a 200-mile open-wire artificial telephone line, a vacuum tube amplifier-milliammeter-voltmeter, 6-A transmission measuring set, vacuum tube oscillators, calibrated for frequencies ranging from 25 to 100,000 cycles per second, a 1,000-cycle motor-generator, a direct reading frequency meter reading from 20 to 20,000 cycles per second; impedance bridges for both audio and intermediate frequencies; standards of resistance, inductance, and capacitance; filters of various kinds; a high quality amplifier, power amplifiers, loud-speakers, noise meter, and other instruments for general test purposes. A complete Automatic Electric Company telephone exchange is included in this laboratory. The radio-frequency equipment consists of short wave and broadcast receivers, precision wave meter, automatic field strength recorder, field intensity meter, standard signal generator, cathode-ray oscillographs, an RCA dynamic demonstrator, an RCA Rider Chanalyst, a square-wave generator, thermo-couples for current and voltage determinations, condensers, inductors, and meters. Equipment for performing experiments in the ultra-high frequency region also is provided.

THE ELECTRONICS LABORATORY, adjoining the Communications Laboratory, is completely equipped for studies of vacuum tubes and vacuum

tube circuits: power supply units, special high resistance meters, oscillators, vacuum tube voltmeters, thermo-couples, etc.

THE STANDARDIZING LABORATORY is equipped with standard instruments for the purpose of checking and calibrating meters used in any of the other laboratories.

THE HIGH VOLTAGE LABORATORY, housed in a separate building adjacent to the other electrical laboratories, provides equipment for high-voltage testing and experimentation. A 10-KVA G. E. transformer provides for 60-cycle testing up to 100,000 volts. A surge ("man-made lightning") generator composed of twenty-five 20-KV G. E. capacitors provides 500,000-volt surges for determining the effect of lightning strokes on electrical apparatus. Complete auxiliary equipment is available for control and measurement of the observed phenomena.

THE ILLUMINATION LABORATORY is equipped with a variety of instruments for the measurement of illumination intensity, and provides facilities for special tests.

THE PROJECTS LABORATORY is set aside for the use of students who are working on special projects requiring set-ups which cannot be disturbed by regular laboratory experiments. This laboratory is made available to Seniors who elect projects course 265-266.

THE ELECTRICAL CIRCUITS LABORATORY is equipped with all necessary apparatus and instruments for carrying out experiments on direct current and alternating current circuits, such as studies of various types of meters, resistance and conductivity measurements, storage batteries, magnetic measurements, series and parallel circuits, power factor, etc.

THE AMATEUR RADIO STATION, W4AHY, is equipped with a 75-watt crystal-controlled C. W. transmitter, a Collins 30FXB 100-watt phone transmitter, Hammarlund Pro receiver, National SW5 receiver, a pair of RCA trancivers, and necessary testing and measuring equipment. The station is controlled and operated by the Engineers' Radio Association.

MECHANICAL ENGINEERING

Mechanical engineering as a profession is concerned with power and machines to generate power and to apply it to useful ends. A field so broad includes all lines of industry, but among the special fields in which mechanical engineers are engaged are combustion or power production engineering, machine and machine-tool design, railway motive power, automotive engineering, aviation engineering, refrigeration, air conditioning, and industrial management.

In order to lay a foundation for a successful career in mechanical engineering, it is necessary to provide a tie between theory and practice, to become familiar with engineering apparatus and instruments as well as their testing and calibration. Laboratory work is therefore necessary. The equipment in the Mechanical, Materials Processing, and Aeronautics laboratories has been carefully arranged in a number of groups, to serve the needs of the undergraduate for efficiently carrying out the program indicated above.

BRANSON MECHANICAL LABORATORY

Boiler Room. The boiler room contains a one-hundred horsepower oil-fired boiler with complete accessories and controls by which it may be operated by students, providing steam for all steam experiments and tests.

Steam Equipment. Conveniently located adjacent to the boiler room are a Troy horizontal self-oiling automatic steam engine, a Troy vertical throttling governor steam engine, and a Sturtevant steam turbine, together with brakes and accessories for their complete testing, either as units or as components in a small-scale power plant. Equipment for studying flow and quality of steam, and injector, and an arrangement for the study and testing of steam traps are included in this group.

Air Compression. An electrically driven 12 x 10 Ingersoll-Rand air compressor has been arranged with accessories and instruments for testing it, and, in addition, provides means for studying the flow of high-pressure air through pipes, valves, and fittings.

Internal Combustion Equipment. Automobile and Diesel engines connected to electric and hydraulic dynamometers and generators are part of this laboratory. Appropriate instruments are provided for the determination of capacity, mechanical and thermal efficiency and heat balance in each case.

Hydraulic Apparatus. A Cameron centrifugal pump driven by a variable speed motor provides for a very complete determination of capacity and efficiency tests, as well as being a controllable source of water for tests covering hydraulics as applied to mechanical engineering.

Instrument Room. An instrument room is provided for the storing and maintenance of instruments used in the laboratories. These instruments include: steam engine and internal combustion engine indicators and reducing motions, tachometers and speed counters, planimeters, pressure gauges and calibrating equipment, thermometers of all types, scales and small tools.

Lubricants and Fuels Testing Laboratory. There are complete facilities for proximate analyses and calorific determination of solid, liquid, and gaseous fuels, as well as for all the standard tests of lubricants.

Additional equipment provides adequately for boiler feedwater analysis, study of the flow of water through pipes and fittings, blower testing, and flow of air through ducts, and a number of tests in the field of air conditioning.

MATERIALS PROCESSING LABORATORY

Machine Tools. Two engine lathes, a universal milling machine, a shaper with slotting attachment, a drill press, a power grinder, and a power hack saw compose the metal-working tools. Such auxiliary attachments as are needed for general purpose machines are provided for the above machine tools. Woodworking machines including a lathe, band saw, circular saw and planer, and a disc sander are available for pattern and wind tunnel model construction.

Welding Equipment. A 200-ampere electric arc welding machine and complete oxy-acetylene welding and cutting equipment are provided for demonstration of these methods of construction and fabrication.

Casting Equipment. A gas-fired melting furnace and sufficient molding equipment are available for the production of small castings on a demonstration basis.

Metallographic and Heat Treating Equipment. Polishing equipment and a microscope are available for the preparation and examination of metal specimens. Heat treatments may be carried out with the use of a gas-fired heat-treating furnace.

AERONAUTICS LABORATORY

Wind Tunnel. The wind tunnel is of the closed-throat type with a 24' circular working section. The air speed through the working section is 140 m.p.h. A standard suspension system is employed for the models, permitting computation of lift, drag, and pitching moment.

Engine Test Cell. The engine test cell has been developed around a four-cylinder opposed type air-cooled engine. The engine is fitted with a club propeller and cradle mounted for torque measurements. Complete tests can be made for heat balance, engine cooling, and attitude effect.

Engine Bay. To meet CPT requirements for the secondary flight training program, a group of representative engines has been collected. These include both liquid- and air-cooled types. Assembly and disassembly of these engines by the students in the CPT courses permits the engineering students to make close examination of the important engineering features of the engines.

Structural and General Exhibits. For joint use of the engineering students and the CPT students a collection of typical aircraft structures and instruments has been made. This collection includes airplane fuselages, wing panels, tail assemblies, propellers, and flight and engine instruments.

GENERAL FACILITIES OF THE COLLEGE OF ENGINEERING

The Engineering Library. housed in Asbury Building, provides a total of approximately 8,000 volumes, in the field of engineering and its allied subjects. A collection of approximately 1,600 engineering periodicals is constantly expanding through the receipt of current issues. Engineering students also have full access to the General University Library, the Woman's College Library, and the various specialized departmental libraries.

The Drafting Rooms. Three separate well-lighted drafting rooms facilitate work in the various courses in which graphic methods are taught and employed. Additional facilities include a standard machine for producing both blue-prints and white-prints.

The Photographic Dark Room provides complete facilities for processing a wide variety of photographic materials used to supplement course instruction.

ADMISSION TO COLLEGE

GENERAL REGULATIONS

Admission to the College of Engineering of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability. Prospective students and relatives are invited to visit the University and the College of Engineering in particular. This would be advantageous to the applicant since it would enable him to acquaint himself with the facilities of the University, and to discuss possible courses of study.

Certain days are announced in the University Calendar each year for the registration, classification, and sectioning of students. Those students who are admitted later than the dates announced must pay to the Treasurer \$5.00 additional for the privilege of matriculation.

All correspondence relating to admission of men should be addressed to the Secretary of Duke University, Duke Station, Durham, N. C.

ADMISSION TO COLLEGE OF ENGINEERING

An applicant for admission to the Freshman Class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one fourth of the annual amount of work regularly required in the school.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

UNITS		UNITS	
English	4	Botany	1
Latin	4	Zoology	1
Greek	3	General Biology	1
German	3	Physical Geography	1
French	3	General Science	1
Spanish	3	Agriculture	2
Mathematics	4	Mechanical Drawing	2
History and Civics	4	Woodwork, Forging, and	
Physics	1	Machine Work	2
Chemistry	1	Household Economics	2
		Commercial Subjects	3

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be admitted without examination. These certificates must be properly made out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least nine and one half of the fifteen units required for admission must come from the following:

Required Units

English	3 units
A Foreign Language	2 units
*Science	1 unit
History	1 unit
**Algebra	1½ or 2 units
Plane Geometry	1 unit

Elective Units

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

Algebra	½ unit
Solid Geometry	½ unit
Trigonometry	½ unit
+German or French or Latin or Spanish or Greek	1 to 4 units
History or Civics (not the required unit)	1 to 3 units
Physics or Chemistry or Biology (not the required unit)	1 to 3 units

ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable, are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

* Wherever possible, physics or chemistry should be offered for this requirement.

** Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: all applicants must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institutions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester hours of work approved for Seniors, with an average grade of "C," is required of all candidates for the Bachelor's degree.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year courses with an average grade of "C" or higher.

The date for the registration and classification of students with advanced standing from other institutions is announced in the University Calendar. Students who are admitted later than this date are required to pay to the Treasurer \$5.00 additional for the privilege of matriculating

FRESHMAN WEEK

The week immediately preceding the opening of College is set aside for the induction of Freshmen. During this period health examinations, psychological tests, and placement tests are given in English and mathematics. Sectioning in these two subjects are based on the grades made on the placement tests. The Freshmen are divided into groups for instruction in the use of the Library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to a new environment. Attendance upon these exercises is required of all Freshmen.

SPECIAL STUDENTS

Students of mature age not fully prepared to enter the Freshman Class may be admitted as special students and allowed to enroll for such work as they are prepared to carry. Further, they are required to take fifteen hours of classwork a week.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GENERAL STATEMENT

The studies for the degree of Bachelor of Science in Civil, Electrical, or Mechanical Engineering are designed for students who are preparing for civil, electrical, and mechanical or aeronautical engineering as a profession, and lead to the following degrees: B.S. in C.E., B.S. in E.E., and B.S. in M.E. All curricula of the College of Engineering are fully accredited by the Engineers' Council for Professional Development, recognized accrediting agency in the field of engineering education.

Each of these degrees requires one hundred and thirty-eight semester hours of work of which one hundred and twenty must be completed with an average grade of "C." If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students should note that immediately after the final examination in May or June a three weeks' course in surveying is given under the direction of the Summer Session. This course is required of all civil engineering students at the end of their Freshman year and is required of all other engineering students before graduation.

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GROUP I

CIVIL ENGINEERING

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing G. E. 1	2	Drawing G. E. 2	2
Physical Education		Physical Education	
	17		17

Three weeks of Surveying S60 in summer. Credit, 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Economics 51	3	Economics 52	3
Statics G. E. 57	3	Kinetics G. E. 58	3
Surveying 61	2	Steam Engineering M. E. 55	2
Route Surveying 63	2	Route Surveying 64	2
Physical Education		Physical Education	
	17		17

Junior Year

Strength of Materials 107	3	Hydraulics 128	3
Structures 131	4	Structures 132	4
Highways 115	3	Materials 118	3
Electrical Engineering 153	3	Electrical Engineering 154	3
Elective	3	Elective	3
	16		16

Senior Year

Sanitary Engg. 123	4	Sanitary Engg. 124	3
Concrete 133	3	Concrete 134	3
Railroads 119	3	Astronomy-Navigation 112	3
Heat Power M. E. 103	3	Heat Power M. E. 104	3
M. E. Lab. 115	1	M. E. Lab. 116	1
Elective	3	C. E. Project 143	3
		Elective	2
	17		
			18

GROUP II

ELECTRICAL ENGINEERING

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing 1	2	Drawing 2	2
Physical Education		Physical Education	
	17		17

Three weeks of Surveying S60 in summer. Credit, 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics 57	3	Kinetics-Mechanism 52	4
Electrical Engineering 51	3	Electrical Engineering 52	3
Economics 51	3	Economics 52	3
Steam Engineering 55	2	Physical Education	
Physical Education			
			17
	18		

Junior Year

Theory of D. C. Circuits 151	4	Theory of A. C. Circuits 152	3
Hydraulics 128	3	Strength of Materials 107-109	4
Electrical Circuits Lab. 161	1	Electrical Circuits Lab. 162	1
Heat Power Engineering 103	3	Heat Power Engineering 104	3
Mathematics 131	3	Electrical Measurements 104	3
Mechanical Engineering		Mechanical Engineering	
Laboratory 115	1	Laboratory 116	1
	15		15

Senior Year

A. C. Machinery 257	3	A. C. Machinery 258	3
Electric Power Trans. 159	3	Electric Power Stations 158	2
Communication 261	3	Communication 262	4
D. C. Machinery 155	2	Seminar 166	1
Electrical Machinery		Electrical Machinery	
Laboratory 163	1	Laboratory 164	1
Seminar 165	1	Electives	6
Electives	6		17
	19		

In conformance with the wishes of the United States armed services, during wartime the curriculum in electrical engineering will emphasize particularly those aspects of theory and practice which are encountered principally in the field of electrical communications. During 1942-1943 the Senior curriculum has been modified to include intensive additional classroom and laboratory training in radio, with particular reference to ultra-high frequency techniques.

GROUP III**MECHANICAL ENGINEERING***Freshman Year*

FIRST SEMESTER

SECOND SEMESTER

S.H.

S.H.

Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing 1	2	Drawing 2	2
Physical Education		Physical Education	
	17		17

Three weeks of Surveying S60 in summer. Credit, 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics, G. E. 57	3	Kinetics-Mechanism 54	5
Const. Processes 51	3	Steam Engineering 55	2
Economics 51	3	Economics 52	3
Physical Education		Physical Education	
	16		17

Junior Year

Fluid Mechanics 105	3	Machine Design 150	3
Str. of Materials 107-109	4	Aeronautics 108	3
Electrical Engg. 153	3	Electrical Engg. 154	3
Thermodynamics 101	3	Thermodynamics 102	3
M. E. Lab. 113	1	M. E. Lab. 114	2
Elective	3	Elective	3
17		17	

*Senior Year**Mechanical Option*

Machine Design 151	3	Industrial Engg. 158	3
Int. Comb. Eng. 155	3	Power Plants 162	3
Heating and Air Cond. 153	3	Refrigeration 154	3
M. E. Lab. 159	2	M. E. Lab. 160	2
Seminar 199	1	Seminar 200	1
Electives	5	Electives	5
17		17	

Aeronautics Option

Machine Design 151	3	Industrial Engg. 158	3
Int. Comb. Eng. 155	3	Airplane Design 172	3
Airplane Design 171	3	Airplane Engines 156	3
Aerodynamics 173	2	Aerodynamics 174	2
M. E. Lab. 159	2	Aeronautics Lab. 176	2
Seminar 199	1	Seminar 200	1
Elective	3	Elective	3
17		17	

COURSES OF INSTRUCTION

COLLEGE OF ENGINEERING

NOTE: Courses primarily for Freshmen and Sophomores are numbered from 1 to 99; those primarily for Juniors and Seniors from 100 to 199; those primarily for Seniors and graduates from 200 to 299. The amount of credit for each course is given in semester hours following the description of the course.

The designation (W) or (E) indicates that the course is to be given on the West Campus or on the East Campus. The designation (W & E) indicates that the course will be given on each campus.

Odd-numbered courses are offered in the fall semester and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must be continued throughout the year if credit is received.

GENERAL ENGINEERING

1-2. Engineering Drawing.—The study of mechanical drawing with emphasis on drawing parts, elementary machines, dimensioning, and working drawings; pencil and ink technique; elementary drawing board geometry, including point line and plane relations, and elementary work in developments and intersections. **4 s.h. (E)**

ASSISTANT PROFESSOR LEWIS, MESSRS. DURLAND AND HOFFER

5. Descriptive Geometry.—The study of drawing board problems involving point, line, and plane relationships; development of solids; intersections of solids and concurrent noncoplanar forces, with emphasis on practical applications. **2 s.h. (E)**

ASSISTANT PROFESSOR LEWIS

51-52. Technical Drawing.—For liberal arts students in training for war service, either military or civil.

Elementary principles of machine, structural, and topographic drawing. Nine laboratory hours. **6 s.h. (E)**

ASSISTANT PROFESSOR L. HALL

57. Statics.—Concurrent forces, parallel forces, nonconcurrent and non-parallel forces, centroids, friction, moment of inertia. Prerequisites: course G. E. 1-2, Mathematics 9 and 10. **3 s.h. (E)**

STAFF

58. Kinetics.—Translation, rotation, work, energy, and momentum. Prerequisites: course G. E. 57 and Mathematics 59. **3 s.h. (E)**

STAFF

107. Strength of Materials.—Elastic bodies under stress; flexure of simple, overhanging, fixed, and continuous beams; columns; combined stresses, etc. For Civil Engineering students the laboratory work is included in course 118. Other students should take course G. E. 109 for laboratory. Prerequisite: course G. E. 57. **3 s.h. (E)**

STAFF

109. Strength of Materials Laboratory.—Concurrent with course G. E. 107. **1 s.h. (E)** Either semester.

STAFF

128. Hydraulics.—Hydrostatics; flow of water through orifices, weirs, pipes, and open channels; general principles of water wheels and turbines. Prerequisite: course G. E. 57. **3 s.h. (E)** Either semester.

STAFF

151-152. Elements of Cartography.—For liberal arts students in training for war service, either military or civil.

Development and uses of maps and charts; scales, symbols, contours, and profiles; construction of projections; field and office computations, and control plotting; sources for compilation, and the applications of aerial photography; preliminary and final drafting, and reproduction. One-hour class and six laboratory hours. **6 s.h. (E)** ASSISTANT PROFESSOR L. HALL

CIVIL ENGINEERING

PROFESSORS BIRD AND HALL; ASSISTANT PROFESSOR WATSON; MR. WILLIAMS

S60. Plane Surveying.—Use of instruments; transit, stadia, compass and plane table surveying; simple triangulation; determination of meridian by observation on Polaris; differential and profile leveling; setting grade stakes; calculation of bearings, latitudes, and departures; areas by planimeter; methods of plotting, survey and plot of sections of the campus by stadia, and transit and tape. Eight hours a day, three weeks, Summer Session. Prerequisite: course G. E. 1 and trigonometry. **3 s.h. (E)** STAFF

61. Higher Surveying.—Care and adjustment of instruments; topographical surveying; surveys and resurveys; laying out and division of land; public land system; further calculations, omitted measurements, areas by double longitude; quantities from profiles and cross sections. Prerequisite: course S60. **2 s.h. (E)** MR. WILLIAMS

63-64. Route Surveying.—Thorough drill in the calculation and laying out of simple, compound, and easement curves, widening of curves, vertical curves, setting slope stakes, ordinary earthwork computations, and mass diagrams. Prerequisite: course S60. **4 s.h. (E)** PROFESSOR BIRD

70. Civil Engineering Drawing.—Elements of topographical and structural drafting. Two three-hour drawing periods. Prerequisite: courses G. E. 1-2. **2 s.h. (E)** PROFESSOR BIRD

112. Practical Astronomy and Navigation.—Determination of time, longitude, latitude, and azimuth. Pilotage, dead reckoning, celestial navigation. Observations and calculations. Prerequisite: S60 or with the consent of the instructor. **3 s.h. (E)** PROFESSOR BIRD

115. Highway Engineering.—Location, construction, and maintenance of roads and pavements; dust prevention; road economics. **3 s.h. (E)** PROFESSOR HALL

118. Materials of Engineering.—Study and testing of materials commonly used in engineering. Prerequisite: course G. E. 107 or concurrent. **3 s.h. (E)** MR. WILLIAMS

119. Railroad Engineering.—Differences between highway and railway practice affecting curves and earthwork. Frogs, switches and crossings. Preliminary and location survey of a railway of sufficient length to secure familiarity with methods of actual practice. Paper location with estimate of cost. Prerequisite: courses 63-64. **3 s.h. (E)** PROFESSOR BIRD

120. Railroad Engineering.—Construction and maintenance of track and trackwork, economics, and operating conditions affecting location. Prerequisite: courses 63-64. **2 s.h. (E)** PROFESSOR BIRD

123-124. Sanitary Engineering.—

(a) **Hydrology.**—Factors affecting precipitation; evaporation from land and water surfaces; relation of precipitation to run-off; estimating run-off; floods and flood flows. Stream gauging.

(b) Public Water Supply.—Quantity and quality of water required, hydraulics of wells, reservoirs, works for purification and distribution of water. Standard laboratory tests for chemical and bacteriological examination of water.

(c) Sewerage.—Sewerage systems, rainfall and storm water flow, sizes of storm and sanitary sewers, sewage disposal. Standard laboratory tests of sewage. Prerequisite: course G. E. 128. **7 s.h.** (E) PROFESSOR HALL

131. Steel Structures—Stresses.—Roofs, parallel chord bridges under all types of loads, inclined top chord bridges, including subdivided panels, wind bracing. Prerequisite: course G. E. 57. **4 s.h.** (E) PROFESSOR BIRD

132. Steel Structures—Design.—Built beams, plate girders, tension members, compression members, tension and compression members, end posts, stringers, floor beams, pins, plates, etc. Drafting. Prerequisites: courses G. E. 107 and 131. **4 s.h.** (E) PROFESSOR BIRD

133. Reinforced Concrete.—Theory and design of reinforced concrete beams, slabs, columns. Prerequisite: course G. E. 107. **3 s.h.** (E) PROFESSOR BIRD

134. Advanced Reinforced Concrete.—Retaining walls, foundations, buildings, rigid frames. Prerequisite: courses 133 and 135. **3 s.h.** (E) PROFESSOR BIRD

135. Soils and Foundations.—Fundamental relations and soil classification, Atterberg limits, capillary phenomena and permeability of soils, soil stabilization. Different behavior of granular and plastic soils affecting the foundations of structures, earth pressure against retaining walls. Prerequisite: course G. E. 107. **3 s.h.** (E)

137-138. Seminar.—Students are required to make reports and to talk on current engineering literature or on such other topics as may be assigned. **2 s.h.** (E) STAFF

143-144. Projects in Civil Engineering.—This course may be assigned by the Chairman of the Department to certain Seniors who have shown an aptitude for research in one distinct field of civil engineering, in which case it may be substituted for certain general civil engineering courses. **3-6 s.h.** (E) Either semester. STAFF

240. Indeterminate Structures.—Introductory course dealing with the application of theory of least work, deflection, and rotation to indeterminate stresses. Problems are solved analytically, graphically, and by deformer. Prerequisites: course 131 and ability to read French or German. **3 s.h.** (E) PROFESSOR BIRD

ELECTRICAL ENGINEERING

PROFESSOR SEELEY; ASSISTANT PROFESSOR MEIER; MESSRS. KRAYBILL AND VAIL

51-52. Survey of Electrical Engineering.—A general survey course covering the entire field of electrical engineering, intended to give the electrical engineering student a general preview of the subject as a whole. Required of Sophomores. Prerequisites: Freshman mathematics and concurrent physics. **6 s.h.** (E) ASSISTANT PROFESSOR MEIER

151. Theory of Direct Current Circuits.—A course consisting of lectures and recitations covering the fundamental theory of direct current circuits, and electric and magnetic fields. Prerequisites: course 51-52, Physics 57-58, Mathematics 59, 60. Mathematics 131 should be taken concurrently. **4 s.h.** (E)

MR. VAIL

152. Theory of Alternating Current Circuits.—A course covering the algebra of vectors and complex quantities, nonsinusoidal waves, polyphase circuits, harmonics, and unbalanced three-phase circuits. Two-hour class, two-hour computation. Prerequisites: course 151, Mathematics 131. **3 s.h. (E)**

MR. VAIL

153-154. Principles of Electrical Engineering.—An elementary course consisting of lectures, recitations, and laboratory covering the principles of direct and alternating current circuits, machinery, and their applications, designed especially for students in civil and mechanical engineering. This course includes one three-hour period in the electrical machinery laboratory per week. Prerequisite: Physics 57-58. **6 s.h. (E)**

MESSRS. KRAYBILL AND VAIL

155. Direct Current Machinery.—A study of the principles which underlie the design and operation of all types of direct current machinery. Prerequisites: courses 151, 161-162. **2 s.h. (E)**

ASSISTANT PROFESSOR MEIER

156. Electric Transportation.—Construction, operation, and uses of electric equipment in air, land, and sea transportation. Elective. Prerequisites: courses 151, 152, 161-162, or 153-154. **3 s.h. (E)**

MR. KRAYBILL

158. Electric Power Stations.—A course of lectures and recitations pertaining to the design, construction, and operation of electric power stations, both steam and hydraulic. Consideration of prime movers; generating machinery; switchboards; instruments, relays, and protective devices; operation and management; visits to neighboring plants. Prerequisites: courses 151, 152, and M. E. 103-104. **2 s.h. (E)**

MR. VAIL

159. Electric Power Transmission.—A course of lectures and recitations on the factors involved in the transmission of electrical energy over long distances and the use of hyperbolic functions in the solution of transmission line problems. Two-hour class, two-hour computation. Prerequisite: courses 151, 152. **3 s.h. (E)**

PROFESSOR SEELEY

161-162. Electrical Circuits Laboratory.—This course provides experimental verification of the theory developed in courses 151 and 152, and should be taken concurrently. Three hours per week. **2 s.h. (E)**

PROFESSOR SEELEY, MR. VAIL

163-164. Electrical Machinery Laboratory.—A study of the technique of testing electrical machines and a thorough analysis of their performance. Concurrent with courses 155, 258. **2 s.h. (E)**

ASSISTANT PROFESSOR MEIER

165-166. Electrical Engineering Seminar.—Seniors are required to present reports and dissertations on material appearing in current engineering literature. Juniors may participate, but without credit. **2 s.h. (E)**

MR. VAIL AND STAFF

173-174. Projects in Electrical Engineering.—Project work may be undertaken only by those who show special aptitude, or who have had previous experience on some problem. The consent of the Chairman of the Department must be obtained before registering. Seniors only. Elective credit. **3-6 s.h. (E)**

PROFESSOR SEELEY AND STAFF

202. Fundamentals of Radio.—An elementary course covering the principles underlying radio communication, including vacuum tubes, vacuum-tube circuits oscillating circuits, antennae, radiation, transmission, and reception. Designed especially for civil and mechanical engineering students. Prerequisite: course 153-154. **3 s.h. (E)**

MR. KRAYBILL

257-258. Alternating Current Machinery.—A course covering the theory underlying the design, construction, and operation of synchronous generators, transformers, polyphase induction and synchronous motors, single-phase motors of all types, converters and rectifiers. Prerequisites: courses 152, 155. **6 s.h. (E)**

ASSISTANT PROFESSOR MEIER

261. Communication Engineering, Audio Frequency.—An advanced course on the principles underlying voice-frequency communication covering nature of speech and sound, wave propagation over metallic circuits, filters; resistance, inductance, capacitance at audio frequencies; transmission characteristics of communication equipment. Two-hour class, three-hour laboratory. Prerequisites: courses 151, 152, and Mathematics 131. **3 s.h. (E)**

PROFESSOR SEELEY, MR. KRAYBILL

262. Communication Engineering, Radio Frequency.—An advanced course on the principles underlying radio communication, covering vacuum tubes, vacuum-tube circuits, oscillating and coupled circuits, antennae, radiation, transmission, reception, and ultra-high frequency techniques. Three-hour class, three-hour laboratory. Prerequisite: course 261. **4 s.h. (E)**

PROFESSOR SEELEY, MR. KRAYBILL

263-264. Mathematical Analysis of Electrical Circuits.—An advanced course on the detailed mathematical analysis of certain circuits used in electrical engineering, with an introduction to the use of operational calculus as applied to electrical circuits. Elective. Prerequisites: courses 151, 152, and Mathematics 131. **6 s.h. (E)**

PROFESSOR SEELEY

MECHANICAL ENGINEERING

PROFESSOR WILBUR; ASSISTANT PROFESSORS HINTON, LEWIS, AND REED;
MESSRS. DURLAND, HOFFER, AND THEISS

51. Constructive Processes.—Recitation course covering fundamentals of metallurgy and general processes of casting, forging, and machining. Demonstrations of basic machining operations are made. Prerequisite: Chemistry 2. **3 s.h.**

MR. THEISS

52. Kinetics-Mechanism.—For E. E. Students.—Motions of particles. Applications of Newton's Laws of Motion to motions of rigid bodies, principles of work and energy. Linkages, cams, gears, trains of mechanism. Three recitations, three laboratory hours. Prerequisites: G. E. 2, G. E. 57, Mathematics 59. Mathematics 60 concurrently. **4 s.h. (E)**

ASSISTANT PROFESSORS LEWIS, REED AND MR. THEISS

54. Kinetics-Mechanism.—For M. E. Students.—Motions of particles. Applications of Newton's Laws of Motion to motions of rigid bodies; principles of work, energy, impulse and momentum. Linkages, belts, ropes, chains, cams, gears, trains of mechanism. Three recitation hours, six laboratory hours. Prerequisites: G. E. 2, G. E. 57, Mathematics 59. Mathematics 60 concurrently. **5 s.h. (E)**

ASSISTANT PROFESSORS LEWIS, REED AND MR. THEISS

55. Steam Engineering.—Elementary principles of boilers, engines, turbines, and auxiliaries; properties of steam; fuels and combustion. Prerequisite: Physics 18. **2 s.h. (E)**

PROFESSOR WILBUR AND MR. DURLAND

101-102. Engineering Thermodynamics.—A study of thermodynamic properties and processes of gases, vapor and gas-vapor mixtures; cycles; efficiencies and performance of steam power plant equipment. Three recitations. Prerequisites: M. E. 55, Physics 58, and Mathematics 60. **6 s.h. (E)**

PROFESSOR WILBUR AND ASSISTANT PROFESSOR HINTON

103-104. Heat Power Engineering.—A short course in engineering thermodynamics combined with applications to power plant design. For civil and electrical engineering students. Prerequisites: Mathematics 60, M. E. 55. **6 s.h. (E)**

ASSISTANT PROFESSOR REED

105. Fluid Mechanics.—Fluid statics; kinematics of fluid flow; application of fluid dynamics theory to flow through orifices, weirs, and pipes; general principles of centrifugal pumps and turbines. Prerequisite: M. E. 54. **3 s.h.** (E)

PROFESSOR WILBUR AND MR. HOFFER

108. Aeronautics.—A general course applying fluid mechanics principles to airfoils, propellers, and the complete airplane. Prerequisite: M. E. 105. **3 s.h.** (E)

MESSRS. HOFFER AND THEISS

M. E. 113-114. Junior Mechanical Engineering Laboratory.—Open only to M. E. students. First semester, three laboratory hours, devoted to laboratory studies and reports on instruments for mechanical engineering testing; experiments in fluid mechanics. Second semester, six laboratory hours; experiments and reports in thermodynamics, boiler inspection, air compression, injectors, steam and fuel calorimetry, flue gas analysis. Prerequisite: M. E. 55. M. E. 101-102 concurrently. **3 s.h.** (E)

ASSISTANT PROFESSOR HINTON

115-116. Junior Mechanical Engineering Laboratory.—For C. E. and E. E. students who are taking M. E. 103-104. Experiments and reports on measuring instruments and apparatus, flow of air, steam and water, economy of boilers, steam and internal combustion engines. Three laboratory hours. **2 s.h.** (E)

ASSISTANT PROFESSOR HINTON

150-151. Machine Design.—Application of principles of Strength of Materials, Constructive Processes, and Engineering Drawing to design of riveted and welded connections, pressure vessels, and machine elements, followed by design of at least one complete machine. Two recitations, three laboratory hours. Prerequisites: G. E. 107, M. E. 51, M. E. 54. **6 s.h.** (E)

ASSISTANT PROFESSOR REED AND MR. DURLAND

153. Heating and Air Conditioning.—Fundamentals of heating and air conditioning, determination of heat losses and gains, design of steam, hot water and warm air heating and air conditioning systems for homes, offices, and industrial buildings. Prerequisites: M. E. 102 or M. E. 104. M. E. 159 concurrently. **3 s.h.** (E)

ASSISTANT PROFESSOR REED AND MR. DURLAND

154. Refrigeration Engineering.—Fundamentals of refrigeration theory and design, with applications in industry. Prerequisites: M. E. 102 or M. E. 104. M. E. 160 concurrently. **3 s.h.** (E)

ASSISTANT PROFESSOR REED

155. Internal Combustion Engines.—Principal cycles; fuels and fuel mixtures; effect of real mixtures on theoretical cycles; combustion; carburetion and fuel injection. Thermodynamic analysis of engine performance. Modern developments in the internal combustion engine. Three recitations. Prerequisite: M. E. 101-102. **3 s.h.** (E)

PROFESSOR WILBUR AND ASSISTANT PROFESSOR HINTON

156. Airplane Engines.—A study of the qualities desirable in an airplane engine and design calculations. These calculations include such items as indicator card, inertia and gas loads, crankshaft vibration, and fin area required for proper cooling. Three recitations. Prerequisite: M. E. 155. **3 s.h.** (E)

MR. HOFFER

158. Industrial Engineering.—A study of the industrial growth and present tendencies of productive industries as concerns the engineer. Specific topics treated are: plant location; organization; production and cost controls, wage payment, etc. Seniors only. Three recitations. **3 s.h.** (E)

MR. THEISS

159. Senior Mechanical Engineering Laboratory.—Tests and reports on performance and economy of internal combustion engines, steam engines and turbines; heat transfer, radiator tests, and heat balances. Required of all Seniors in mechanical engineering. Six laboratory hours. Prerequisite: M. E. 114. **2 s.h.** (E)

ASSISTANT PROFESSOR HINTON

160. Senior Mechanical Engineering Laboratory.—Required of all Mechanical Option Seniors. Tests and reports on boiler, engine, turbine, condenser and accessories; heat transfer; refrigeration equipment. Six laboratory hours. Prerequisite: M. E. 159. M. E. 154, 162 concurrently. **2 s.h.** (E)

ASSISTANT PROFESSOR HINTON

162. Power Plant Calculations.—Study of economic and engineering factors in developing steam power plants. Consideration of the performance of boilers, prime movers, condensers and various auxiliaries in various groupings as they affect the plant heat balance. Three recitations. Prerequisites: M. E. 101-102 or 103-104. **3 s.h.** (E)

PROFESSOR WILBUR

171-172. Airplane Design.—The design of an airplane to accomplish a specific purpose, this design to include three-view drawing, determination of air and inertia loads, and stress analysis as proof of structure. All work must be in a form acceptable to the Civil Aeronautics Board. Three laboratory periods. Prerequisites: M. E. 150, M. E. 108. M. E. 151 concurrently. **6 s.h.** (E)

MR. HOFFER

173-174. Aerodynamics.—A review of the physics of air leading into a study of airflow around aerodynamical shapes, this study progressing into an analysis of air forces that terminates in performance estimation. Two recitations. Prerequisites: M. E. 105, M. E. 108. **4 s.h.** (E)

MR. HOFFER

176. Aeronautics Laboratory.—This course includes performance tests on airplane engines, installation problems and operational characteristics of air craft instruments, and tests of aerodynamical shapes in the wind tunnel. Two laboratory periods. M. E. 174 concurrently. **2 s.h.** (E)

MR. HOFFER

197-198. Projects in Mechanical Engineering.—This course may be assigned by the Chairman of the Department to certain Seniors who express a desire for such work and who have shown aptitude for research in one distinct field of mechanical engineering. Elective credit either semester. **3-6 s.h.** (E)

PROFESSOR WILBUR AND STAFF

199-200. Seminar.—Students are required to make reports and to talk on current engineering literature or on such topics as may be assigned. **2 s.h.** (E)

STAFF

REQUIRED NONENGINEERING SUBJECTS

1-2. General Inorganic Chemistry.—Lectures, recitations, and laboratory work on the elementary principles of chemistry and on the occurrence, preparation, properties, and uses of the elements and their compounds. It is desirable, though not required, that students taking this course shall have taken elementary physics either in high school or in college. One lecture, two recitations, and three laboratory hours, throughout the year. **8 s.h.** (W & E) STAFF

English L.—Those freshmen whose scores in the placement tests are too low to justify their admission into English 1 are required to have credit for English L before they may enter English 1. **3 s.h.** (E)

DR. HARWELL AND MR. FITZGERALD

1-2. English Composition.—All Freshmen are required to take course 1 and course 2. Exceptional students may substitute a more advanced course for English 1.

Students in courses 1 and 2 who fail to earn an average grade of "C" on the work of both semesters and at least a grade of "C" on the work of the spring term are required to take English 53, except those who have earned credit for courses L, 1 and 2. **6 s.h.** (W & E)

ASSOCIATE PROFESSORS BLACKBURN AND PATTON; ASSISTANT PROFESSORS ALLEN, SANDERS, SUGDEN, VANCE, WARD, AND WHITE; DRs. CARPENTER, HARWELL, AND POTEAT; MESSRS. BRICE, DOWLING, FITZGERALD, AND MARTIN

53. English Composition.—A second course in composition for Sophomores. **3 s.h.** *Repeated in the second semester.* (W & E) STAFF

9-10. First-Year Engineering Mathematics.—College algebra, plane trigonometry, introduction to spherical trigonometry, plane analytic geometry, introduction to solid analytic geometry. Designed primarily for students in the Engineering Groups. **10 s.h.** (E) ASSISTANT PROFESSOR PATTERSON AND STAFF

59-60. Second-Year Engineering Mathematics.—A correlated development of differential and integral calculus. Designed primarily for students in the Engineering Groups. Prerequisite: course 9-10 or the equivalent. **8 s.h.** (E) ASSISTANT PROFESSOR PATTERSON AND STAFF

131. Elementary Differential Equations.—Solution of elementary types; formation and integration of equations arising in applications. Prerequisite: integral calculus. **3 s.h.** (E) ASSISTANT PROFESSOR HICKSON

17-18. Engineering Physics.—A course covering the field of general physics with emphasis on fundamental principles. Open only to engineering students. **6 s.h.** (E)

ASSISTANT PROFESSOR MOUZON; DR. BONNER AND MR. SCARBOROUGH

57-58. Engineering Physics.—This course is a continuation of Physics 17-18 open to engineering students upon satisfactory completion of 17-18. Two lectures (E) and one three-hour laboratory (W) each week. **6 s.h.**

ASSISTANT PROFESSOR MOUZON; DR. BONNER AND MR. SCARBOROUGH

104. Electrical Measurements.—Exact measurements of resistance, current, voltage, inductance and capacity. A fundamental course in electrical engineering or course 103 is a prerequisite. Two lectures and one three-hour laboratory period per week. **3 s.h.** (W) ASSISTANT PROFESSOR CONSTANT

51-52. Principles of Economics.—For Sophomores. **6 s.h.** (W & E) STAFF

PARTIAL LIST OF RECOMMENDED ELECTIVE SUBJECTS

57-58. (Economics) First-Year Accounting.—Elementary principles of single proprietorship, partnership, and corporation accounting. Supervised laboratory periods will be arranged. **6 s.h.** (W) STAFF

103. (Economics) Transportation.—Essential features, problems, and competitive positions of rail, highway, water, and air transportation. Special attention is devoted to valuation, rates, and regulation as applied to railway transportation. Collateral reading and the preparation of papers are required. *For Juniors and Seniors.* **3 s.h.** (W) ASSISTANT PROFESSOR LONDON

105. (Economics) Industrial Management and Business Forecasting.—A study of the organization and management of industry, with emphasis upon the business applications of the principles developed. Problems of interrelations of functions operating in the several fields of management, such as production control, personnel, and the forecasting of business conditions. *For Juniors.* **3 s.h.** (W) DR. BERRY

115. (Economics) Economic Geography.—*This course is not open to students who have received credit for Economics A.* The study of the interrelation of human activities and environmental elements. The discussion embraces location, maps and their interpretation, the major climatic regions, seasonal influences, weather, lands and their uses, soils and minerals, bodies of water, plants, animals, and the work of man as environmental factors. **3 s.h.** (E)

ASSISTANT PROFESSOR LEMERT

138. (Economics) Business Statistics.—A semester's course in elementary statistics designed principally for students of economics and business administration. The material is also of interest to those specializing in engineering, forestry, political science, sociology, and other subjects. Very little algebra and no higher mathematics are required. Offered both semesters. **3 s.h.**

ASSISTANT PROFESSOR SMITH

181-182. (Economics) Business Law.—The fundamental principles of law as applied to common business transactions. The topics presented are: contracts, agency, bailments, sales, negotiable instruments, partnerships, corporations, and bankruptcy. **6 s.h. (w)**

MESSRS. BRYSON AND MILLER

151. (English) Public Speaking.—A course in the fundamentals of public speaking with emphasis upon the effective presentation of ideas. **3 s.h. (w)**

ASSISTANT PROFESSOR HERRING AND MR. LEWIS

152. (English) Argumentation.—A course dealing with the principles of argumentation and debating with special emphasis upon brief-making and practice-speaking. Public questions are studied as parallel work. **3 s.h. (w)**

ASSISTANT PROFESSOR HERRING AND MR. LEWIS

103. (Botany) General Bacteriology.—Laboratory and lectures. **4 s.h. (w)** First semester. **(E)** Second semester.

PROFESSOR WOLF

51. General Geology.—This course is designed to give a general view of the surface features of the earth, their origin, structure, and materials. Illustrative materials are studied in the laboratory. Excursions are made to neighboring points where the principles of the science are studied in the field. Three one-hour lectures or recitations and one three-hour laboratory. **4 s.h. (w)**

ASSOCIATE PROFESSOR BERRY

52. General Geology.—This course is designed to give some knowledge of the chief events of the earth's history. Excursions will be made to suitable neighboring localities. Three one-hour lectures or recitations and one three-hour laboratory. Prerequisite: Geology 51. **4 s.h. (w)**

ASSOCIATE PROFESSOR BERRY

51-52. History of Art.—The survey course for upperclassmen treats each art as a unit, relating it to its background and its companion arts wherever possible, but leaving many of the problems of correlation to the initiative of the student. The development of architecture is considered in course 51, the development of sculpture and painting in course 52. Courses 51 and 52 are both offered each semester. Credit for a single semester will be given only to Seniors electing it during their last semester. The courses are not open to Freshmen or to students who have had course 1-2. **6 s.h. (w & e)**

51, ASSISTANT PROFESSOR HALL; 52, ASSISTANT PROFESSOR McDONALD

219. Electron Tubes and Their Application.—Theory and application of electron tube circuits with special emphasis on their use in scientific research. Two hours of lecture and one three-hour laboratory per week. **3 s.h. (w)**

ASSISTANT PROFESSOR MOUZON

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
Damage Fee, payable annually at the time of first registration.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable annually at the beginning of the second semester	3.00
Publication Fee:	
First semester	2.50
Second semester	3.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	5.00
Tuition, Registration, Room-rent, Summer Surveying S10.....	26.00

LABORATORY AND MATERIALS FEES

Botany 1, 2, 52, 55, 104, 202, 204, 221, 255, and 256.....	\$ 2.50
Botany 51, 103, 151, 156, 203, 216, and 252.....	5.00
Forest Botany 224 and 253.....	2.50
Chemistry 1, 2, 61, 70, 131, 132, 153, 154, 215, 216, 261, and 262.....	7.00
Chemistry 151, 152, 241, 242, 253, and 254.....	8.50
Education 1, 58, 68, and 101.....	1.00
Education 112, 115, 116, 122, and 131.....	7.50
Education 208 (for testing materials in lieu of text).....	2.50
Engineering	
Civil S60—See <i>Summer Session Bulletin</i> .	
Civil 61, 63, 64, 112, 118, 119, 120, 123, 124, 135, 143, 144, and 240....	2.00
Electrical 153, 154, 161, 162, 163, 164, 261, 262.....	2.00
General 109.....	2.00
Mechanical 113, 114, 159, 160, 176.....	2.50
Forest Botany 224 and 253.....	2.50
Forestry 224, 253, 254, 259, 260, 264, 357a, and 358a.....	2.50
Forestry 261, 351, 352, 357b, 358b.....	2.50 to 5.00
Geology 51, 52, 101, 151, and 152.....	2.50
Geology 102	5.00
Field trip in Geology 51-52 and 101-102 at cost.	
History 91 and 92.....	3.00

No texts are required in these courses, but a fee of \$3.00 is charged, and books are placed in the Library for the use of those taking the courses. This fee is payable at the beginning of the semester and is collected through the office of the Treasurer of the University.

Physics 1 and 2.....	2.00
Physics 57, 58, 61, 62, 103, 104, 108, 215, 216, 217, 218, and 219.....	3.00
Physics 51, 52, and 106.....	5.00
Zoology 1, 2, 92, 161, 204, 219, 220, 222, 274, 306, 324, 343, 353, and 354..	3.00
Zoology, 53, 151, 156, 224, 229, 303, and 321.....	5.00

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a student are moderate: the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room-rent, and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$574.50 to \$639.50. Books and laundry are not included in these figures, nor an estimated cost of \$20.00 to \$25.00 for drawing equipment.

The Athletic and Publication fees, also included in the above figures, while not essentially University fees, are at the request of the students collected by the Treasurer of the University as designated above. The proceeds of these fees are turned over to these distinct and separate student activities. The Athletic Fee, entitling the holder to admission to all athletic contests held on the University grounds, is collected from all regularly enrolled students. The Publication Fee pays for a blanket subscription to the semiweekly student newspaper, the monthly student magazine, and the student yearbook. With all undergraduates this charge is compulsory, but in the case of graduate students it is optional.

DORMITORIES

The regular fee for room-rent in the Southgate Building, set aside for engineering students, is \$50.00 per semester (two in a room).

Rooms in Epworth Hall, East Campus, are open to men students for a rental of \$30.00 per student, per semester.

Rooms are reserved only for applicants who have been officially accepted by the University, upon application to the Director in the Business Division, College Station, Durham, North Carolina. A reservation fee of \$25.00 must accompany the application for a room. The reservation fee is deducted from the room charges at the time of registration for the fall semester. An applicant who is accepted and has a room reserved is not entitled to a refund of the reservation fee unless the request is made on or before August 1.

A resident student in order to retain his room for the succeeding year is requested to make application accompanied by a reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the Business Division. All rooms which have not been reserved on or before May 15 will be considered vacant for the succeeding year and will be reserved in the order in which applications are made.

Rooms are rented for no shorter period than one semester, or in the case of a medical student, one quarter, unless by special arrangement with the Director in the Business Division. A period of occupancy other than a semester or quarter and without special arrangement will be charged at a minimum rate of \$1.00 each day.

The authorities of Duke University do not assume the responsibility of selecting and assigning roommates, though they will gladly render any assistance possible.

BOARDING ACCOMMODATIONS

It is the policy of the University to furnish board to its students at actual cost. Charges for board are approximately \$30.00 per month.

LAWS REGULATING PAYMENTS

The Executive Committee of the Trustees of Duke University has enacted the following regulations, which govern the payment of all fees due the University:

1. The President and Treasurer of the University have no authority to suspend, or in any way alter, these regulations.
2. Matriculation and tuition fees are never refunded.
3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.
4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer for all of his indebtedness to the University.
5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the mid-year or final examinations of the academic year.

When a student wishes his bills sent to his parents or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties if his bills are not paid on the dates advertised.

TRANSCRIPTS •

Students desiring to transfer from Duke University to another institution are entitled to one transcript of their record. A charge of \$1.00 is made for each additional copy.

ENGINEERING ORGANIZATIONS AND FRATERNITIES

American Institute of Electrical Engineers; American Society of Civil Engineers; American Society of Mechanical Engineers; Institute of the Aeronautical Sciences; Delta Epsilon Sigma (Honorary Engineering Fraternity); The Engineering Student Government Association.

OTHER HONORARY ORDERS AND FRATERNITIES FOR WHICH ENGINEERS ARE ELIGIBLE

(HONORARY—NATIONAL)

Phi Beta Kappa (Scholarship); Phi Eta Sigma (Freshman Scholarship); Pi Mu Epsilon (Mathematics); Sigma Pi Sigma (Physics); Sigma Xi (Scientific Society).

(HONORARY—LOCAL)

Beta Omega Sigma (Sophomore—Men); 9019 (Scholarship—Men).

(SOCIAL FRATERNITIES—NATIONAL)

(The Men's Panhellenic Council)

Alpha Tau Omega; Beta Theta Pi; Chi Phi; Delta Sigma Phi; Delta Tau Delta; Kappa Alpha; Kappa Sigma; Lambda Chi Alpha; Phi Delta Theta; Phi Kappa Psi; Phi Kappa Sigma; Pi Kappa Alpha; Pi Kappa Phi; Sigma Alpha Epsilon; Sigma Chi; Sigma Nu; Sigma Phi Epsilon; Zeta Beta Tau.

HONORS AND PRIZES FOR WHICH ENGINEERS ARE ELIGIBLE

To be eligible for Honors a student must earn during the year a credit of not less than thirty semester hours. Students in the Freshman, Sophomore, and Junior classes who earn an average of at least two and one-half quality-points per semester hour are given Honors. All semester hours on which a student receives a grade are counted in the determination of Honors.

The degree of Bachelor of Arts or of Bachelor of Science with distinction is conferred under the following rules:

Students who have completed a minimum of ninety semester hours in Duke University are eligible for general Honors at graduation. Those who earn an average of at least two and one-half quality-points per semester hour are recommended for a degree *magna cum laude*. Those who earn an average of at least two and three-fourths quality-points per semester hour are recommended for a degree *summa cum laude*. All semester hours taken in Duke University on which a student receives a grade are counted in the determination of Honors.

PRIZES

The Delta Epsilon Sigma Prize, consisting of an engineering handbook, is awarded each year to the member of the Freshman Class in engineering who is adjudged to be the outstanding student.

Julia Dale Prize in Mathematics. This is a prize of books given annually to the undergraduate who shows the greatest proficiency in the study of the calculus.

The Milmore Prize, consisting of one year's subscription to the *Electrical World*, is awarded each year to that student from North or South Carolina graduating in the Department of Electrical Engineering, who, in the opinion of the Faculty of that department and as shown by his grades, has made the most progress in electrical engineering during his last year in college.

The Institute of the Aeronautical Sciences Awards. Two annual awards, each consisting of a two-year paid-up membership in the Institute and a certificate, presented, respectively, to the student presenting the best paper before a meeting of the Duke student branch of the Institute, and to that student of the Department of Mechanical Engineering making the highest scholastic record in aeronautical engineering courses.

The Sigma Xi Prize. The Society of the Sigma Xi, honorary scientific society, is devoted to the encouragement of scientific research, and seeks to stimulate those who show promise of accomplishment in scientific research. As an encouragement to younger men and women the Duke Chapter of Sigma Xi has established the following prizes to be awarded annually to students resident at Duke University: \$20.00 for an undergraduate project or paper, \$20.00 for a Master's thesis or its equivalent, and \$40.00 for a Ph.D. dissertation or its equivalent. Nominations, recommendations, copies of theses, reports, or other material must be in the hands of the Secretary of the Chapter on or before May 5.



VOLUME 15

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The Summer Session



1943

FIRST TERM: JUNE 8-JULY 19

SECOND TERM: JULY 20-AUGUST 28

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DURHAM, NORTH CAROLINA

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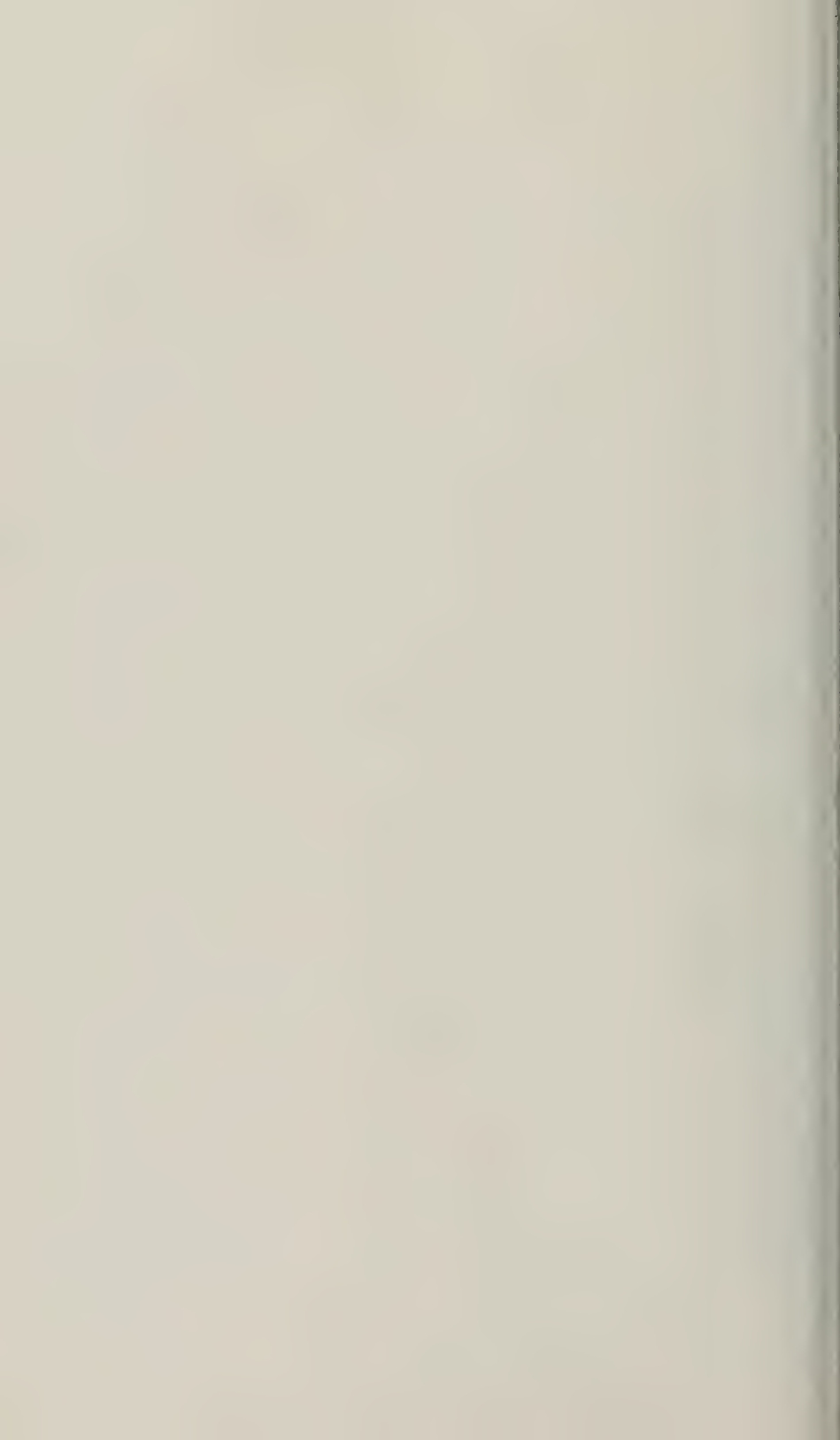
SUMMER SESSION
ANNOUNCEMENT



1943

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DURHAM, NORTH CAROLINA
1943



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- HUBBELL, JAY BROADUS; A.B., University of Richmond; A.M., Harvard; Ph.D., Columbia; ENGLISH (Duke University).
- JENKINS, RAYMOND; A.B., Cornell; Ph.D., Yale; ENGLISH (Catawba College).
- JENSEN, HOWARD EIKENBERRY; A.B., A.M., University of Kansas; B.D., Ph.D., University of Chicago; SOCIOLOGY (Duke University).
- JOHNSON, MYCHYLE W.; A.B., Ph.D., University of Indiana; ZOOLOGY (Duke University).
- JORDAN, BRADY RIMBEY; Litt.B., Princeton; Ph.D., University of Wisconsin; FRENCH (Duke University).
- KRUMMEL, CHARLES ALBERT; Ph.B., Central Wesleyan College; Ph.M., Syracuse; Ph.D., University of Wisconsin; University of Marburg, 1910; GERMAN (Duke University).
- KRAMER, PAUL JACKSON; A.B., Miami (Ohio); M.S., Ph.D., Ohio State University; BOTANY (Duke University).
- LANNING, JOHN TATE; A.B., Duke; A.M., University of California; University of London, 1926-27; Ph.D., University of California; HISTORY (Duke University).
- LEARY, LEWIS; B.S., University of Vermont; A.M., Ph.D., Columbia; ENGLISH (Duke University).
- LEMERT, BEN FRANKLIN; B.S.E., M.S., Ohio State University; Ph.D., Columbia; ECONOMICS (Duke University).
- LEWIS, RALPH E.; B.S. in M.E., University of Iowa; M.S. in M.E., University of Illinois; ENGINEERING DRAWING (Duke University).
- LUNDEBERG, OLAV K.; A.B., St. Olaf College; A.M., Ph.D., University of Minnesota; Université de Montpellier, 1918; Centro de Estudios Históricos, Madrid, 1929; SPANISH (Duke University).
- MCCLOY, SHELBY THOMAS; A.B., A.M., Davidson College; B.Litt., B.A., Oxford; Ph.D., Columbia; HISTORY (Duke University).
- MCCUTCHEON, FREDERICK HAROLD; B.S., M.S., North Dakota State College; Ph.D., Duke; ZOOLOGY (North Carolina State College).
- MANCHESTER, ALAN KREBS; A.B., Vanderbilt; A.M., Columbia; Ph.D., Duke; HISTORY (Duke University).

- MITCHELL, FRANK KIRBY; A.B., Millsaps College; A.M., University of Michigan; Oriel College, Oxford, 1921-24; ENGLISH (Duke University).
- MYERS, HIRAM EARL; A.B., Duke; S.T.B., S.T.M., Boston University School of Theology; RELIGION (Duke University).
- OOSTING, HENRY JOHN; A.B., Hope College; M.S., Michigan State College; Ph.D., University of Minnesota; BOTANY (Duke University).
- PATTON, LEWIS; A.B., Furman University; Ph.D., Yale; ENGLISH (Duke University).
- PETERSON, MAURINE; B.S., M.S., University of Idaho; HYGIENE (Duke University).
- PROCTOR, ARTHUR MARCUS; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- RANKIN, ROBERT STANLEY; A.B., Tusculum College; A.M., Ph.D., Princeton; POLITICAL SCIENCE (Duke University).
- RANKIN, WILLIAM WALTER; B.E., North Carolina State College of Agriculture and Engineering; A.M., University of North Carolina; Harvard, 1914-15; Columbia, 1919-21; MATHEMATICS (Duke University).
- ROPP, THEODORE; A.B., Oberlin College; A.M., Ph.D., Harvard; HISTORY (Duke University).
- SANDERS, CHARLES RICHARD; B.Ph., A.M., Emory University; Ph.D., University of Chicago; ENGLISH (Duke University).
- SAYLOR, JOHN HENRY; A.B., Southern Methodist University; A.M., Ph.D., Duke; CHEMISTRY (Duke University).
- SCATES, DOUGLAS EDGAR; A.B., Whitworth College; Ph.D., University of Chicago; EDUCATION (Duke University).
- SERÍS, HOMERO; A.B., Havana Institute; Ph.D., Havana University; Certificat d'Études, Sorbonne; Certificat d'Assiduité, Collège de France; SPANISH (Brooklyn College).
- SHIELDS, JOHN HERMAN; A.B., A.M., University of Texas; Columbia, 1924-26; ACCOUNTING (Duke University).
- SIMPSON, WILLIAM HAYS; A.B., Tusculum College; A.M., Ph.D., Duke; POLITICAL SCIENCE (Duke University).
- SMITH, HILRIE SHELTON; A.B., Elon College; Ph.D., Yale; D.D., Defiance College; Litt.D., Elon College; RELIGION (Duke University).
- SMITH, ROBERT SIDNEY; A.B., A.M., Amherst College; Ph.D., Duke; ECONOMICS (Duke University).
- SPENCE, HERSEY EVERETT; A.B., A.M., B.D., Duke; D.D., Asbury College; Litt.D., High Point College; RELIGION (Duke University).
- STINESPRING, WILLIAM FRANKLIN; A.B., A.M., University of Virginia; Ph.D., Yale; RELIGION (Duke University).
- SYDNOR, CHARLES SACKETT; A.B., Hampden-Sydney College; Ph.D., Johns Hopkins; HISTORY (Duke University).

- THOMPSON, EDGAR TRISTRAM; A.B., University of South Carolina; A.M., University of Missouri; Ph.D., University of Chicago; SOCIOLOGY (Duke University).
- THEISS, ERNEST S.; B.S., M.E., M.S., Case School of Applied Science; MECHANICAL ENGINEERING (Duke University).
- VAN ALSTYNE, DOROTHY; A.B., Vassar; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- VAN VOORHIS, ROBERT HENRY; A.B., A.M., Duke; Duke, 1941-42; ACCOUNTING (Duke University).
- VOSBURGH, WARREN CHASE; B.S., M.S., Union College; Ph.D., Columbia; CHEMISTRY (Duke University).
- WALTON, LORING BAKER; A.B., Princeton; Harvard, 1917-18; Lic. ès L., Sorbonne; Ph.D., University of Chicago; FRENCH (Duke University).
- WARD, CHARLES EUGENE; A.B., Baker University; A.M., Ph.D., Duke; ENGLISH (Duke University).
- WATSON, KARL BRANTLEY, JR.; B.S., A.B., University of Chattanooga; A.M., Ph.D., Duke; EDUCATION (Duke University).
- WEST, ALFRED THURBER; B.S., Alabama Polytechnic Institute; A.M., University of Alabama; Teacher's Certificate from American Academy of Dramatic Art; ENGLISH (Duke University).
- WILLIAMS, JAMES WESLEY; A.B., Duke; B.S. in C.E., Georgia School of Technology; ENGINEERING (Duke University).
- WILSON, ROBERT RENBERT; A.B., Austin College; A.M., Princeton; Ph.D., Harvard; POLITICAL SCIENCE (Duke University).
- WOODY, ROBERT HILLIARD; Ph.B., Emory University; A.M., Ph.D., Duke; HISTORY (Duke University).
- PERSONS, WALTER S.; A.B., Duke; SWIMMING (Duke University).

DUKE UNIVERSITY SUMMER SESSION

Duke University, located at Durham, North Carolina, includes Trinity College, the Woman's College, the College of Engineering, the Graduate School of Arts and Sciences, the Divinity School, and the Schools of Law, Medicine, Nursing, and Forestry, and the Department of Education. The student body is drawn from the entire United States, with a representative group of foreign students. The enrollment in the summer is somewhat smaller than during the regular year, but with a larger representation of graduate students.

In 1942 there was a total registration of 3,004 in the Duke University Summer Session. Of these registrations, 1,460 students were enrolled in the first term of the Summer Session, and 1,001 the second term; 510 were enrolled in the Medical School and School of Nursing; and 33 were enrolled in the Chemistry of Explosives and Communications courses. There were 562 graduate students the first term and 336 the second, admitted on the basis of Bachelor's degrees from 216 different colleges and universities. The total enrollment for the summer was drawn from forty-three states, as well as the District of Columbia, Puerto Rico, Canada, China, Cuba, Guatemala, Nicaragua, the Panama Canal Zone, the Philippines, Argentina, Chile, England, and Scotland. The largest enrollments were from North Carolina, Pennsylvania, New York, Virginia, Florida, South Carolina, Ohio, New Jersey, West Virginia, Georgia, Maryland, Connecticut, Massachusetts, Mississippi, Alabama, and Illinois in the order named. Public school teachers from twenty-eight states were included in the total.

CAMPUS AND BUILDINGS

Duke University is located on two campuses connected by prompt and inexpensive bus service. For the Summer Session of 1943, practically all classes will be held on the East Campus, on which will be housed all women, graduate and undergraduate, the engineering students, and graduate men. This campus is well located with regard to the business section of the city of Durham and has all dormitories, laboratories, classroom buildings, library, auditorium, and administration building conveniently grouped together with the Union, center of student activities, the Government Post Office, and the University Store. Undergraduate men who are not in the armed services will probably be housed on the West Campus, which, however, will largely be used during the summer for the special training of men in uniform.

SCOPE AND PLAN OF WORK: CREDITS

Work is offered with the needs of the following classes of students in mind:

1. Candidates for the Master of Arts (A.M.) and Master of Education (M.Ed.) degrees, particularly teachers, supervisors, and administrators in the public schools who desire to complete degree requirements in a series of summers.

2. College undergraduates—men and women—seeking to hasten completion of Bachelor's degrees. (Special care is taken in advising students who are trying to complete degree requirements within three years by using their time in the summer. This matter has become particularly important in view of the national emergency.)

3. High-school graduates—especially boys sixteen and seventeen years old—who wish to begin their work in June or July, instead of waiting until the following September. (In view of the Selective Service Act there will probably be an increasing number of students who desire to enter college this summer instead of waiting until the fall, with the hope either of qualifying for special branches of service or of completing degrees before being called for military service. Special sections of freshman English, mathematics, and science will be offered for these students, to begin June 1 and July 13,* as demand may develop.)

Instead of the traditional one-hour courses for six weeks that compel the student to divide his time among three separate classes, the work of the Summer Session is divided into units of three semester hours, each class meeting for eighty-five minutes daily, five days per week for a period of six weeks. No student is permitted to obtain credit for more than two such courses, and no instructor teaches more than two. This means that instructor and student alike are limited to two preparations daily instead of three. The Summer Session also encourages students to take both their courses in one department. Undergraduates particularly are encouraged to take complete units of work within six weeks—that is, six semester hours of freshman English, or of second-year Spanish, or of United States History, or of beginning Accounting, etc. Elementary science courses are so organized that by taking a heavy laboratory schedule, students may obtain credit for eight semester hours within seven weeks. There is no exception to the rule that the University allows no credit for six weeks beyond six semester hours.

Professional credits towards teachers' certificates are granted by the various state boards of education, each in accordance with its own carefully planned rules. Teachers should consult the rules laid down by their State Board of Education before enrolling for certification credit. Any student, however, whose work is of such quality as to deny him credit toward a degree, fails to receive "professional" credit.

College credits are offered as follows: A course meeting one hour daily for six weeks counts for two semester hours of credit, and a course meeting eighty-five minutes daily for six weeks counts for three semester hours of credit. The University will not accept credit beyond six semester hours earned in one term toward the Bachelor's degree. Graduate stu-

* It may prove desirable to begin the classes scheduled for July 13 slightly earlier. Persons interested should inquire as to precise date some time after May 25.

dents are not under any circumstances permitted to enroll for more than six semester hours in a summer term of six weeks. They forfeit graduate credit by undertaking more than six semester hours of work, even though part of the work may carry undergraduate credit only.

The nature of the credit allowed for each course is indicated by the number of the course. Courses numbered 1-49 are primarily for Freshmen, or Freshmen and Sophomores; courses numbered 50-99 are ordinarily for Sophomores, or Sophomores and Juniors; courses numbered 100-199 are for Juniors and Seniors; courses numbered from 200-299 are for Seniors and graduates; and courses numbered from 300 up are for graduate students only and are of very limited enrollment. Courses numbered from 200 up are usually limited in enrollment to approximately twenty-five students, and during the summer consist almost entirely of graduate students. Graduate seminars are limited to fifteen students or fewer.

COURSES FOR ENTERING FRESHMEN AND FOR UNDERGRADUATES DESIRING TO ACCELERATE THEIR PROGRAM

Freshmen, that is both men and women graduates of standard high schools who desire to begin their college work before the fall semester, may enter classes in English or certain other subjects June 1 and complete within six weeks a full year's work in the subject taken. Except for students especially desiring science or mathematics and students desiring to enter the "School of Spanish Studies" June 8, English is recommended for all such students. Students who cannot enter June 1 will probably have the same opportunity July 13. Since it is quite possible, however, that in connection with the Navy College program the University may begin a regular semester July 1 or shortly thereafter, it is possible that the demand for the freshman courses planned for July 13 will be so small as to make it unnecessary to offer them. Students interested should write to the Director of the Summer Session, making inquiry as to final plans sometime after May 15.

Undergraduate students of Duke Woman's College and of Trinity College not in the armed services, as well as undergraduates of other colleges desiring summer school courses, will find work both first and second terms of Summer Session, entirely apart from the Navy College program of the University. This is especially important to those students who lack only six or twelve semester hours of completing their degree work. In order to get the courses they prefer, such students should apply promptly.

ADMISSION

Applicants for admission to the Summer Session must meet the same requirements as if they applied in any other part of the University year. Undergraduate men desiring to enter Duke should have transcripts of their courses sent to H. J. Herring, Dean of Trinity College, and undergraduate women should have transcripts sent to Mrs. Elizabeth A. Persons, Secretary of Admissions to the Woman's College, at least two weeks

before the opening of the term for which they wish to enroll, if they wish to be sure of classification before registration day. Until definite acceptance and classification by the Dean's Office they are not regularly enrolled students. Undergraduate students of other colleges should write the Director of Summer Session for a special blank to be signed by the dean of their college certifying approval of the course for which they apply.

If students wish to enroll for graduate courses, they should request the proper officials of the universities or colleges which they have attended to send directly to the Dean of Graduate School, Duke University, official transcripts of their undergraduate records and of any graduate credits they may have. These transcripts should be furnished two weeks before the beginning of the term for which the students wish to enroll if they wish classification before registration day. Students whose credentials are not filed in time to be evaluated before registration day will be admitted provisionally to classes for which they indicate preparation, with the understanding that no credit will be allowed until admission requirements have been met. All such provisional registrations should be cleared within ten days of entrance.

The Summer Session reserves the right to reject any application or cancel any registration without assignment of reason.

CALENDAR AND REGISTRATION

The first term of Summer Session will open June 8* and close July 19. The second term will open July 20 and close August 28. Students who desire a summer "quarter" of eleven weeks to complete one third of a regular year's work—for example, one third of the work required for a Master's degree—can complete such work in the period from June 8 to August 23. All Mondays except June 21, July 19, and August 2 are holidays. July 5 will be observed as Independence Day.

For the first term, June 8 is registration day. Any students who have not previously registered by mail should be present at 9:00 A.M. and 2:00 P.M. to submit their credentials for admission, select courses, and make arrangements concerning board and lodging. Students arriving after 5:00 P.M. Tuesday will register the next morning at 8:30. Regular classes will begin Wednesday morning at 8:00. Students will find schedule posted on the bulletin board prior to registration.

For the second term, Tuesday, July 20, 9:00 A.M. to 1:00 P.M. is registration day. By special schedule for that day certain classes will meet that afternoon.

FLEXIBILITY OF CALENDAR

It will be observed that the Summer Session of the University offers the students considerable flexibility as to the time of registration and the

* Because of the special schedule worked out by reason of the national emergency, certain undergraduate classes will begin slightly earlier. See "Courses of Instruction," p. 28, this announcement.

Students who register late are regarded as absent from all classes held prior to their registration. Late entrance seriously affects credits.

length of residence obtainable. For example, although most first-term classes will begin Wednesday, June 9, it is possible for students who register in advance to enter classes as late as Tuesday, June 15, since each student is allowed four permissible absences. A student, however, cannot obtain full credit for the term's work with more than four absences. Furthermore, since many graduate students find it exceedingly hard to complete twelve weeks' work in one summer term, students are permitted to register for only eleven weeks and take advantage of early examinations closing August 23. This means that the student who cannot enter the first term of the Summer Session and continues for five weeks of the last term, completes a full "summer quarter," or exactly one third of the year now required for a Master's degree. Finally, students who wish to complete nine weeks of work instead of six or twelve may in some cases be able to do so by planning their work for the first term so as to find a related course offered the first three weeks of the second term, or by entering a course July 1 that is completed within the last three weeks of the first term and closely related to some course continuing through the second term. There are in 1943 few courses offered for three weeks that permit this arrangement, but it is possible in most departments to enter a research seminar for as much as three weeks additional work.

CERTAIN CLASSES BEGINNING BEFORE REGISTRATION DATE

Since the 1942-43 session of the University closes May 22, there is a demand on the part of Duke undergraduate students for certain classes to be given to begin Tuesday, May 25, or other date prior to June 8. These classes that begin before registration are not marked either "I" (first term, beginning June 8), or "II" (second term, beginning July 20), but have the probable date specifically given in the course description. Although these courses are offered for the convenience of Duke undergraduates, they are open for enrollment to students from other colleges whose calendar permits them to enter on time.

AVAILABILITY OF ROOMS AT THE UNIVERSITY

Rooms rented from the University are not available until 9:00 A.M. the day of registration. Students arriving prior to that hour are expected to make temporary arrangements at the hotel or elsewhere. The Summer Session, however, will be glad to co-operate to help students find desirable accommodations. It is usually possible to find temporary rooms near the campus for about one dollar per person per night. Special problems of this type should be taken up with the Director promptly. Except in rare cases, rooms for the second term will not be available until 2:00 P.M. registration day on account of late examinations scheduled for first-term students, but the Summer Session can easily adjust conflicts of this type.

Room assignments are made with the understanding that the student is expected to vacate the room within twenty-four hours after his last examination. If his last examination begins at 8:00 A.M. Monday, he is

expected to vacate the room by 8:00 A.M. Tuesday, etc. In cases where the enforcement of this rule works hardships, temporary arrangement can usually be made if the Housing Bureau is notified one week in advance.

EXAMINATIONS

The last two days of each term of six weeks are devoted to examinations. The University has no provision for giving examinations *in absentia*, but students absent from examination for valid reason are permitted a liberal extension of time in which to return to the University for completion of credit.

The early opening of schools in which many Summer Session students happen to teach, sometimes necessitates the return home of students before the end of the second term. The provision made for such students is as follows: Any student whose record is superior in a given course may with the consent of his instructor and the approval of the Director of the Summer Session obtain a special examination not earlier than the fifth day before the regularly scheduled examination. If he takes such examination, the total credit in each course is reduced by one sixth; in other words, the student is interpreted as having completed five weeks of work, and his maximum allowable credit, therefore, is five semester hours.

SCHEDULE OF EXAMINATIONS UNDER THE NEW PLAN FOR THE MASTER OF EDUCATION DEGREE

For the first term, Master of Education examinations will be held as follows:

Tuesday, June 8 (registration day), 8:00-11:00 A.M. and 2:00-5:00 P.M., Room 210, Divinity School Building, examinations upon the students' minors. (All students expecting to stand this examination should file application before May 26, in order that the department may be notified to prepare examinations.)

Wednesday, June 9, 8:00 A.M.-12:00 M., Room 210, Divinity School Building, examination upon the professional major. (Only students who have completed their professional major will be permitted to stand examination at this time, and the same comment applies to the examination given toward the end of the second term.)

Tuesday, July 20 (registration day for second term) 8:00-10:30 A.M., 11:00 A.M.-12:50 P.M., and 2:15-5:45 P.M., examinations on the required reading courses. (Only those who have completed their required reading courses by the end of the first term of the Summer Session will be eligible for this examination.)

Examination for the second term will be given the same hours and place as follows:

Wednesday, July 21, examinations upon the students' minors. Students intending to take these examinations should apply to the Director of the Summer Session before July 16.

Thursday, July 22, examination upon the professional major.

Wednesday, August 25, examination upon the required reading courses for those completing their reading the second term.

Except for the examinations on the minors, where longer advance notice is required, it will be sufficient to notify the Director three days before the date of the examination. No fee is required at the time that the examination is taken, but at the time of graduation the student pays one flat examination fee of \$25, equivalent to the thesis fee required of other Master's candidates.

GRADUATE INSTRUCTION IN THE SUMMER SESSION

ADMISSION TO GRADUATE COURSES

A student who has received the A.B. or B.S. degree for a four-year undergraduate course may be admitted to take graduate courses in the Graduate School of Arts and Sciences of Duke University, provided his undergraduate record gives positive evidence of ability to undertake graduate study successfully. An average grade of not less than "B" is ordinarily accepted as evidence of such ability. A candidate for admission to graduate courses must instruct the proper official in the college(s) he attended to send directly to the Dean of the Graduate School an official transcript of his undergraduate record. In no case will a transcript presented by the candidate himself be accepted as a basis for admission, nor will a transcript mailed by any institution be returned to the student. An application blank for admission will be provided upon request to the Dean of the Graduate School.

Unless applications and transcripts are submitted to the Dean of the Graduate School by May 25 for enrollment in the first summer term or by July 10 for enrollment in the second summer term, there can be no assurance that action can be taken upon the application before the time of registration. In such a case the student might have to be enrolled as an unclassified student.

A student who has been admitted to graduate courses and who expects to work toward an advanced degree must consult with the Director of Graduate Studies or other designated representative of the department in which he proposes to major before registering for courses. This can be done at the time of registration in summer terms. The department concerned will determine whether a student is prepared to take any particular course. In all cases the student must make up without credit toward a graduate degree all prerequisites required by the major department of candidates for advanced degrees. If the student meets the requirements for admission to the Graduate School, as explained below, the graduate courses he has taken prior to formal admission will count toward a higher degree, provided that they are in accord with the requirements of the Graduate School for the degree and are acceptable to the major department.

ADVANCED DEGREES

The degrees offered in the Graduate School of Arts and Sciences are Master of Arts (A.M.), Master of Education (M.Ed.), and Doctor of

Philosophy (Ph.D.). Most of the departments of the University are now prepared to give a full program of work leading to the degree of Doctor of Philosophy.

ADMISSION TO THE GRADUATE SCHOOL

After twelve semester hours of graduate work, the student may apply for admission to the Graduate School, and thus become a candidate for the master's degree. Such admission is dependent upon the fulfillment of two conditions. (1) The student must have made a mark of "G" or "Good" in at least three semester hours of work, with no mark less than "S."* Candidates who cannot meet this condition may at a later time submit their records for re-evaluation, provided that in their subsequent work they shall have made a substantial number of "G's." (2) The student in his undergraduate work must have met substantially the requirements for the A.B. or B.S. degree at Duke University. Any deficiencies of undergraduate work must be satisfied before admission to the Graduate School.

DEGREE OF MASTER OF ARTS

Language Requirements:

Candidates for the degree of Master of Arts are required either to have a reading knowledge of a foreign language, evidenced by examination or by transcript showing the completion of the third college year of the language, or to have a reading knowledge of French and German, evidenced by examination or by transcript showing the completion of second-year college French and college German. This requirement must be satisfied before the student takes the examination on his thesis.

The Summer Session regularly offers courses in French and German for those students who wish to prepare to satisfy the requirement in either of these languages in this way.

Minimum Residence Requirements:

For graduate students who take more than fifteen semester hours for the Master's degree in the Summer Session the minimum residence requirement is thirty-three semester hours of graduate credit. Graduate students may not receive more than six semester hours of credit for work taken in one summer term of six weeks. The degree of Master of Arts or Master of Education thus can be earned in six such summer terms by students who are well prepared for graduate work, or by careful planning of thesis residence in a minimum of five and one half terms. Most students planning to complete a Master's degree within a series of summer sessions should plan to spend six terms of six weeks each in residence.

All the work offered for the Master's degree, either in the regular

* The system of grading used in the Graduate School is as follows: "E." or "Exceptional"; "G." or "Good"; "S." or "Satisfactory." "S" is interpreted in terms of "percentage" grading as being at least ten points above the conventional undergraduate "pass" of 70. "G" is normally interpreted as indicating that the student receiving it has standing within the upper 25 per cent of a department's students considered over a period of years.

academic year or in summer sessions, must be completed within a period of six years from the date of beginning. Graduate courses begun earlier than six years before the completion of the work for the degree will not count either toward residence or course credit requirements.

Major and Minor Subjects:

Before selecting his major in a department, a student must have completed a minimum of twelve semester hours of approved *preliminary* courses in that department and twelve additional semester hours either in the department or in related work. This minimum is imposed by the Graduate School Council. A majority of the departments of instruction require at least eighteen semester hours of undergraduate work, and a few require more. The student therefore should read carefully the special requirements listed by each department in the *Graduate* or the *Summer Session Bulletin*.

Each candidate for the Master's degree must select a major subject in which the minimum requirement is twelve semester hours and the thesis. A candidate must take six semester hours of graduate work in a minor subject approved by the major department, and the remaining nine semester hours in the major or minor subjects or in a department approved by the major department and by the Graduate School Council. All graduate students must take a minimum of six semester hours of work in courses numbered 300 or above unless excused therefrom by the Dean of the Graduate School on the recommendation of the major department. No undergraduate course may be credited toward the degree of Master of Arts.

Thesis:

In the minimum residence requirement of thirty-three semester hours of graduate credit is included an allowance of six semester hours for a thesis. The title of the thesis required in partial fulfillment of the requirements for the degree of Master of Arts must be approved by the department concerned and filed with the Dean of the Graduate School on or before November 15 of the academic year in which it is expected that the degree will be conferred.

Four bound typewritten copies of each thesis must be submitted to the Dean of the Graduate School in approved form on or before May 1 of the year in which the degree is conferred. The thesis is passed upon and accepted or rejected by an examining committee of three members of the Faculty. Each candidate is required to appear before the committee for an oral examination on the thesis and major field.

CREDIT TOWARD THE MASTER'S DEGREE FOR WORK DONE ELSEWHERE

No credit toward advanced degrees is given for university extension or correspondence courses.

Not more than six semester hours of credit toward the Master's degree may be given to graduates of Duke University or of other ap-

proved colleges or universities for acceptable graduate courses or research work completed elsewhere. Such credit will not shorten the minimum period of full-time resident study required at Duke University.

SUGGESTED PROGRAM OF WORK TOWARD THE MASTER OF ARTS DEGREE*

A committee of the Graduate School Council has drafted the following recommendations respecting the student's program of work toward the Master's degree:

First term: two courses in the major department, usually from numbers 200 to 299.

Second term: one course in the major department, and one course in the minor department, or two courses in the minor department.

Third term: one course in the major department or one course in the minor department, and a general course in research methods if such a course is offered by the major department. A thesis subject should be tentatively selected and filed with the signed approval of a professor willing to supervise it, and the head of the major department (or the approved representative of the major department in charge of Summer Session work) before the beginning of the third week of the third term.

Fourth term: one course in the major department or remaining course in the minor department (if for any reason there is a remaining course in the minor). The remaining time of the fourth term should be spent in provisional work upon the thesis under at least preliminary supervision of the major professor. The filing of the title in the Graduate Office should be made permanent.

Fifth term: one course in the major department and half time devoted to the thesis under the active supervision of the major professor.

Sixth term: same as the fifth. Within five days of the beginning of his final term of study the summer student should file in the Graduate Office a notice of his intention to complete his Master's program in that term.

This plan will require eighteen semester hours of work in the major department and six in the minor department, as were required by the former rules, plus a course in research methods in the major department (or substitution elsewhere provided below) and will allow one half of the student's time for three summer terms to be devoted to his thesis work. By approval of the department and of the Dean of the Graduate School, the minor work may be enlarged at the expense of the work in the major department. If the major department does not offer a generalized course in research methods, some other courses numbered 300 or above either in the major or minor department may be substituted with the approval of the Dean of the Graduate School.

* A suggested program for the Master of Education degree would be much the same as this program, except that one of the "Reading Courses" should be taken not later than the fourth term and at least one each succeeding term.

DEGREE OF MASTER OF EDUCATION

The degree of Master of Education is granted to teachers, or others engaged in educational service, upon completion of the prescribed program of study. Candidates for the degree must have had two years of practical experience in teaching when the degree is conferred. This experience may be obtained in the two years immediately prior to entering upon candidacy for the degree, or it may be obtained concurrently with the period of study for the degree.

A preliminary requirement for admission to candidacy for this degree is the completion of a minimum of eighteen semester hours of approved undergraduate work in education, including work in educational psychology and in history of education, educational sociology, or school administration. Three hours of general psychology may be counted as contributing toward these prerequisites.

Candidates for the Master of Education degree must take a minimum of thirty-three semester hours of graduate work in residence at Duke University. This work is classified as follows:

(1) Twelve semester hours of generalized work in education, consisting of four courses intended to help the student learn to read independently and obtain a basic understanding of education and the school.

(2) Six to twelve hours of minor work.

(3) Nine to fifteen hours of an intradepartmental or "professional" major.

The twelve hours of generalized work are conducted on a plane analogous to Honors reading* and described as follows:

Education S300.—The place of educational research, its methods of procedure, evaluation of results, special problems, etc.

Education S304.—The school as an institution—the place of the school in society, its history, and philosophy.

Education S305.—The nature, function, and organization of the curriculum.

Education S317.—The psychological principles of education—an advanced study of teaching, learning, and the learner.

An examination upon the generalized reading is given at the end of the thirty-three weeks.

For the six to twelve semester hours of minor work, the following suggestions are offered:

(a) For those candidates, whose intradepartmental, or "professional," major is public school administration, six hours in political science, economics, sociology, or other work especially listed as "related courses in other departments for majors in public school administration."

(b) For those whose professional major is public school supervision, six to nine semester hours in psychology, educational psychology, or a combination of the two, or sociology, or in specifically designated "related courses" for supervisors.

* Voluntary class attendance is permitted students enrolling in these courses for reading credit, except that such students are expected to report at least once in three days for discussion.

(c) For those whose professional major is secondary education, six to twelve hours in their teaching field(s), with twelve hours strongly recommended.

(d) For those whose professional major is elementary education, six semester hours in psychology, educational psychology, or an approved combination of the two, or in child welfare and development (wholly in sociology, or partly sociology and psychology or educational psychology, if a satisfactory combination can be worked out).

The nine to fifteen semester hours of professional major may be in one of the following fields: (a) public school administration, (b) public school supervision, (c) secondary education, (d) elementary education. It will be observed that the degree is intended for those who definitely desire their work for professional purposes. The Master of Education degree, therefore, is not offered with a major in educational psychology or history of education. Students in these two fields would be expected to enroll for the Master of Arts degree, whereas students with majors in the other fields mentioned have choice between meeting Master of Education requirements and Master of Arts requirements.

At any time after the completion of his minor and his professional major, the student may take the general examinations on these two phases of his program on the days designated for them. Upon the fulfillment of all residence requirements, he will be given a comprehensive written examination upon the twelve hours of generalized readings. Any of these examinations may be rejected upon the grounds of poor usage of English.

If a student prefers to submit a thesis and take a final examination on it and on his major field instead of taking the reading courses and comprehensive examinations, he may do so with the approval of the Department of Education. Six semester hours of credit will be allowed for the thesis in the total of thirty-three required for the degree.

As in the case of the requirements for the Master of Arts degree, all work presented for the degree must be completed by the candidate within a period of six years from the date of beginning. Graduate credits from other approved institutions may be accepted toward course requirements up to a maximum of six semester hours. The acceptance of such credit will not reduce the amount of required resident study at Duke University for which the student must register. It may be used to permit the student to register for nine or twelve hours of thesis research at Duke University instead of the usual six semester hours.

DEGREE OF DOCTOR OF PHILOSOPHY

A student who plans to enter upon a program of work leading to the degree of Doctor of Philosophy should consult, or enter into correspondence with, the Dean of the Graduate School and the head of the department concerned. He will then be advised as to the possibility of securing necessary instruction and supervision of research in the desired field. Credit for as much as one year of graduate work done in summer sessions may be given with the approval of the Graduate School and the department in which the student takes his major work. The

student should consult the bulletin of the Graduate School for a full statement of requirements for the degree of Doctor of Philosophy.

THESIS WRITING IN SUMMER SESSION

Since Duke University grants no Master of Arts degree except upon completion of a satisfactory thesis, every candidate for that degree who expects to complete his work in the Summer Session should as soon as possible after completing his first term of residence choose a field in which he desires to write a thesis and confer with some instructor offering graduate courses in that field. The following points should be kept clearly in mind when arrangements are made for thesis supervision:

1. The subject of the thesis must be approved by the instructor who undertakes the supervision and must be filed in the Graduate School Office on the blank regularly provided for that purpose. The instructor's decision as to whether the topic is suitable, or the student is prepared to develop it, or the instructor prepared to supervise it, is final.

2. A student may enroll for six semester hours of residence credit towards a thesis or for less, in one term of six weeks. If he enrolls for only three semester hours he may enroll also for a course of three semester hours, but he cannot enroll for a total of more than six semester hours of credit, including residence toward his thesis. Completion of six semester hours of residence toward his thesis does not guarantee the satisfactory completion of the thesis, which must be acceptable to the instructor supervising it and to a committee representing the Council on Graduate Instruction. Students who do not complete their theses the first term they register for supervision have the privilege of registering a second term upon payment of regular dues, but are not required to do so. Since the numbers permitted to enroll in thesis seminars are strictly limited, such students are not permitted to register for a third term of supervision.

3. A student may either enroll in a specifically designated "thesis" course or, if his preparation meets the approval of the instructor in charge, attach himself to some regularly offered course in his field of study and report periodically to the instructor offering the course.

A student enrolling for thesis residence credit in regular course pays the same fees as other students during the summer of residence. At the time of graduation he pays the same diploma and commencement fees as other students and a thesis supervision fee of \$25.00.*

5. Students enrolling for thesis supervision during the Summer Session are expected to complete their theses largely during the summer of enrollment or some subsequent summer term. The instructor with whom they enroll is not under obligation to give active supervision during the academic year, although instructors are willing to give a reasonable amount of attention to theses practically completed. Similarly, instructors in Duke University who are not teaching in the Summer Session are not expected to undertake the supervision of theses written by summer school students.

6. Students enrolled for thesis supervision in the first summer term who expect to receive their thesis examination during that term should submit the bound copies of their theses to the Graduate School Office at least four days before the end of the term. They may then be distributed by the examining committee. Failure to complete the thesis by that time will generally require deferment of the examination until the following term. Those who work on their theses during the second summer term must complete their theses and submit the bound copies to the Graduate Office at least four days before the

* Students completing the M.Ed. degree by examination pay examination fee of \$25.00, in lieu of the thesis supervision fee.

conclusion of the term if they wish to receive their diplomas in September. Students who fail to complete their theses by the conclusion of the second term must plan to take the final examination either in the following summer or in the following academic year. It is the policy of the University not to give examinations to candidates for the advanced degrees during the time between the Summer Session and the academic year.

7. Students of the academic year who do not complete theses begun prior to the Summer Session are not accepted for Summer Session enrollment unless their subjects are in the field of some thesis seminar or other course offered by an instructor who recommends that such students be assigned to his supervision during the summer. Instructors who are employed for full time by the Summer Session are specifically requested not to carry over into the summer thesis students whose subjects are not properly a part of work such instructors are offering in the Summer Session.

ROOM AND BOARD

Board and room for a term of six weeks may be secured in the men's dormitories at the rate of \$62.50 for a single room, \$57.50 for each occupant, with two in a room, or \$70.00 if double room alone is engaged. On account of extra service the rate in the women's dormitories is one dollar a term higher; that is, \$63.50 for a single room, \$58.50 for each occupant, with two in a room, and \$71.00 for a double room alone. Many of the rooms on the East Campus are single rooms; on the other hand, on the West Campus there are very few single rooms, most of these being on the third floor. On both campuses there are certain "premium" rooms for which the rate for six weeks is \$1.50 higher per occupant with roommate and \$2.50 higher for single occupants in the rooms. A list of these "premium" rooms will be furnished upon request, such rooms being corner rooms or rooms with unusual ventilation or size. During the summer of 1943, all women, graduate and undergraduate, will be housed on East Campus. Aycock Building on that campus will be the only dormitory reserved for graduate men. Occupants of University rooms furnish their own bed linen, blankets, pillows, and towels. All other essentials are supplied by the University.

For the summer of 1943 there is no dormitory available for married students whose wives accompany them. Students, therefore, who desire to bring their families should write the Director for a list of private rooming places where outside accommodations may be obtained.

The rules and regulations in all dormitories are substantially the same as those in the regular academic year. Students are strongly advised against installing in their rooms radios, and other appliances likely to annoy other occupants.

Occupants of University dormitories are advised to board in the regular dining room of the Union, where at mealtime there is the opportunity to meet with fellow students, and where, because board is furnished at cost, the greater number of students guarantees better board for all. The service is cafeteria plate-service. Men who live in the dormitories but desire to board elsewhere than in the regular dining room will pay room-rent at the rate of \$17.50 for single room, \$12.50 for each occu-

pant, with two in a room, or \$25.00 for a double room, alone; and women at the respective rates of \$18.50, \$13.50, and \$26.00. Certain rooms are \$1.50 per term higher per occupant with roommate and \$2.50 higher for single occupant in these rooms than in other rooms. Students who room off the campus but desire board in the Union may obtain it for \$45.00 for the six weeks.

FEES

Teachers in active full-time service in schools and colleges are exempt from tuition fees for as many as four terms of six weeks in a period of six years. After their fourth term they pay regular tuition charges. All other students are charged a tuition fee of \$8.00 for each college credit hour, or \$4.00 for each semester hour, maximum tuition being \$24.00 for six weeks, or \$30.00 for courses running seven weeks. All students, teachers included, pay a registration fee of \$20.00 per term. Students in the sciences pay the laboratory fees required in regular term, and students completing degrees pay the regular commencement charges at the time of receiving their degrees, besides the thesis supervision of M.Ed. examination fee of \$25.00 required of persons completing Master's degrees.

Major expenses are estimated as follows for each term:

Registration	\$20.00
Room-rent and board	58.50*
Total major expenses to teachers	\$78.50
Tuition required of other students	24.00

In the men's dormitories, as has been stated, the charge for rooms is one dollar less, making the total major expenses for occupants \$77.50. To these totals should be added about \$7.00 for books, probably \$3.00 for miscellaneous expenditures, and laboratory fees for any science course the student may elect. (For laboratory fees, see description of courses in this announcement.)

RESERVATION IN ADVANCE

Classes are of limited enrollment. All applications for registration in classes, as well as applications for rooms, are filed in the order in which they are received. Each application for a reservation of courses should be accompanied by a check for \$5.00 in part payment of the registration fee unless room-rent is enclosed. This payment is not a room reservation. *No specific rooms are assigned except upon receipt of full room-rent.* Because it is uncertain that late applicants will find room on the campus, *students are urged to reserve specific rooms in advance.* They may reserve specific rooms by paying at the time the reservation is made, the regular charge for the room reserved, usually \$17.50 (or \$18.50) for a single room, \$12.50 (or \$13.50) for a room with roommate, \$25.00 (or \$26.00) for a double room alone, or these prices with the additional

* Because of special provision made for the "School of Spanish Studies," there is a slight extra charge to students enrolling in that "school."

charge for premium rooms. Specific room reservation for the first term may be made at any time. Since the total registration for the first term affects the decision as to which buildings are to be used the second term, specific reservation for second term should not be requested before July 10. No room may be reserved by more than two students, but adjoining rooms may be reserved by groups who desire to be together. Students who enroll for the first term have priority in reserving their first-term rooms for the last term. The University reserves the right in the interest of the Summer Session and the other students to cancel any reservation of courses or room without assignment of reason. Any student making deposit for reservation or room-rent is entitled to withdraw with full refund at any time within five days prior to registration without assignment of reason.

"SCHOOL OF SPANISH STUDIES"

Because of the increased interest in Spanish studies throughout the nation and the great expansion of Spanish and Spanish enrollments in the colleges and high schools of this region, the Summer Session will again offer an unusual grouping of courses in Spanish the first term of the Summer Session, extending from elementary work through second- and third-year Spanish to graduate work and advanced seminars. It is planned to supplement the courses with liberal opportunity for speaking the language, hearing lectures in Spanish, and conducting discussions and evening programs in the language. It is planned also to have Spanish-speaking tables in the University Union and a Spanish section in one of the East Campus dormitories. Both Castilian and Spanish-American culture and literature will be emphasized. (For details of the "School of Spanish Studies," see courses listed under "Spanish" in this announcement, or address the Director of the Summer Session for special folder. Because of special facilities provided in "Spanish Studies," certain fees and expenses will be slightly higher than in other parts of the Summer Session.)

The "school" is intended to offer to students and teachers an opportunity for intensive training in the Spanish language and basic orientation in the literature and cultural background of the Hispanic world. Under the plan of organization, the "school" will offer special features of a segregated institute wherein use of the language in and out of the classroom and the presence of native teachers is designed to create the atmosphere of foreign study. The work is intended for the following groups of persons:

1. High-school and college teachers who need review or further training and orientation for their professional equipment;
2. Undergraduates who intend to major in Spanish;
3. Prospective teachers of Spanish and specialists in other fields (business, military or government service, history, etc.) whose work may require a knowledge of Spanish;
4. Graduate students in Spanish;

5. College teachers who wish to pursue advanced studies in Hispanic literature or cultural history.

THE SCHOOL OF LAW

The School of Law of the University, in association with the Law School of Wake Forest College, will offer a full semester of work during the summer, with a faculty of eight full-time men in addition to the staffs of the Legal Aid Clinic and the Law Library. The School will be conducted at Duke University on the basis of three semesters per year so that the normal three-year course may be completed in two calendar years and thus affords opportunity for those who are now able to engage in law study to accelerate their professional training during a period when there is an urgent demand for well-trained persons, both men and women, in private offices and Government service. Instruction in the Summer Session of the Law School will begin Tuesday, June 1, and end September 11.

The courses will be so arranged that all subjects will be completed in the semester in which they are offered. Complete courses are offered for beginning students as well as for advanced students transferring from other law schools. During the emergency, students with superior grades will be admitted who have completed two years of college work.

For further information, including courses and expenses, address the Dean of the School of Law, Duke University.

SUMMER SESSION OPPORTUNITIES FOR GRADUATE STUDENTS

A majority of the students in the Summer Session are graduates of standard colleges, most of them supervisory officials and teachers in the public schools. Departments of instruction, therefore, offering courses related to the common secondary-school curriculum have built up regular sequences of graduate work continuing through a series of summer terms in which graduate students may enroll with reasonable assurance that sufficient work will be offered to enable a properly qualified student to complete Master's requirements easily within the period permitted by the University. Departments in which sufficient demand for graduate courses has developed to enable students to complete Master's degrees are Botany, Economics, Education, English, French, History, Mathematics, Physics, Political Science, Religion, Sociology, Spanish, and Zoology. It is intended to add complete sequences in other departments as rapidly as demand justifies. The Divinity School offers work toward the B.D. and other advanced degrees. In the Department of Education complete sequences of work for the Master's degree are offered in the divisions of public school administration, public school supervision, secondary education, educational psychology, and elementary school education. This variety of offerings should cause students in this department to be especially careful to select a unified course.

In all departments a graduate student must select his minor with the approval of his major department. Under "Courses of Instruction," pages 28-48, this bulletin, specific regulations and suggestions of departments are given. It is important for all degree candidates to choose their courses according to some unified plan. Mere accumulation of more or less unrelated credits in various divisions of a department with a minor in some department only remotely related to the student's major work will not be accepted as meeting requirements for a graduate degree. Students are advised to choose their first term's work along the line of their major interest and then each succeeding term exercise increasing care in advising with their major professor and the Dean of the Graduate School as to properly related work.

APPOINTMENTS BUREAU

A Teachers' Appointments Bureau is maintained in Room 113, Administration Building, West Campus, for the benefit of teachers desiring a change of position. There is no charge for this service.

RELIGIOUS SERVICES

University religious services are held each Sunday morning at eleven o'clock, to which all students are invited. In the summer of 1942 the student choir, a voluntary organization, enrolled more than one hundred and fifty students.

RECREATION AND ENTERTAINMENT

At the time of registration every student receives a season ticket to all recreation and lecture programs. In addition to admission to special lectures, and other features of entertainment provided, this ticket entitles the student to use of the available tennis courts and swimming pools, which are normally open an hour and a half daily for various groups of students; also to social events limited to students. There are also an evening play hour sponsored by the Department of Physical Education and a Sunday evening "sing" that has grown to be a tradition among the quadrangle students.

Mr. Anton Brees, Carillonneur of the Mountain Lake Singing Tower, Lake Wales, Florida, will give recitals on the fifty-bell carillon of the University at stated times twice a week during the Summer Session.

The national honor society in education, Kappa Delta Pi, maintains a weekly forum to which all students are invited.

State clubs, organized by students from the states best represented in the student body, chiefly the students from West Virginia, Pennsylvania, and Ohio southward to Florida and Mississippi, co-operate with the Social Director to provide wholesome recreational life for the students. The first Thursday evening of each term is set aside for the opening general assemblies of students and Faculty.

INSTITUTE FOR TEACHERS OF SECONDARY MATHEMATICS
JUNE 14-26

The Institute for Teachers of Secondary Mathematics will hold its annual summer session from June 14 to 26. There will be an afternoon and evening meeting each day during the Institute. The Summer Session in co-operation with the North Carolina State Department of Public Instruction is providing special lectures to emphasize the following topics: Mathematics of Aeronautics, first three days; Mathematics Applied to Engineering, the second three days; Arithmetic in the Secondary School, the third three days; and Mathematics in Navigation, the last three days. June 14 will be registration day. Registration will be \$1.00. Those who desire can get room and board in the University at the rate of \$2.00 per day with two in a room, and \$2.50 per day for a single room. A complete program will be sent upon request after April 20. For further information, write the Director of the Summer Session or Professor W. W. Rankin, Director of the Mathematics Institute, Duke University.

**SPECIAL NOTE TO UNDERGRADUATE STUDENTS TRYING TO
ACCELERATE GRADUATION**

It is the policy of the University to assist in any reasonable way students trying to accelerate their university work because of the national emergency. The Summer Session of 1943 is trying to make special provision for the following groups of students:

1. Those who lack fifteen hours or less of graduation (Provision has been made to permit a maximum of fifteen semester hours to be completed between May 21 and September 1. See second paragraph of this note.);
2. Those who need six semester hours in order to be able to graduate in one semester after being called to the naval or military services July 1;
3. Those who last summer planned to take at least twelve semester hours this coming summer in order to complete graduation in the fall semester.

Special attention is called to the courses that are tentatively offered to enable students to obtain three semester hours before the beginning of the regular Summer Session classes (first term) June 9, or six semester hours before the opening of the Navy College about July 1, as described on pages 29-48. The courses in which the minimum enrollment will probably be obtained are Chemistry 63-74 (if laboratory is available), 155-156, and 261-262; Economics 51-52, 57-58, and 171-172; English 145-146; French 3-4 and 59-52; History 51-52 and 91-92; Physics 213-214; Sociology 101-109; and Hygiene S112. Mathematics 1, 2, and 50, the latter being permitted as a substitute for Mathematics 8, are also obtainable before July 1.

COURSES OF INSTRUCTION

EXPLANATIONS AND ABBREVIATIONS

Classes meet daily five times per week for six weeks unless otherwise indicated. Classes that meet for sixty-minute periods are indicated as carrying two semester hours of credit. Classes meeting eight-five-minute periods daily count for three semester hours except where credits are stated otherwise. Courses are arranged alphabetically by departments. The course numbers are the same numbers used in describing courses in the regular term, with the letter "S" preceding; for example, Chemistry S1 would correspond to Chemistry 1 of the regular term.

The following abbreviations occur: the numeral *I* means that the course comes the first sixty-minute period daily, beginning at 8:25; *2*, the second sixty-minute period, beginning at 9:40; *3*, the third sixty-minute period, beginning at 11:20. *A* means that the course comes the first eighty-five minutes daily, beginning at 8:00; *B* means that the course comes at the eighty-five-minute period beginning at 9:40; *C* means that the course comes at the eighty-five-minute period beginning at 11:20; *D* means that the course comes at the eighty-five-minute period beginning at 2:15; *I* means that the course is offered the first term; *II*, that it is offered the second term, beginning July 20; *I, II*, that the course is offered either term. *E* means that the course is offered on East Campus; *II'* on West Campus. Unless stated to the contrary all classes are scheduled for the East Campus. For complete schedule of rooms and courses, students should consult official bulletin boards at time of registration.

Periods 1, 2, and 3 do not conflict; and periods A, B, C, and D do not conflict; but period A conflicts with 1, B with 2, and C with 3. Terms I and II do not conflict.

N.B.—Different State Departments of Education grant professional credit for various courses in accordance with their own carefully defined rules. Every student should inquire carefully at or before registration as to what professional credit is allowed for each course in his state.

MINIMUM ENROLLMENT REQUIRED FOR COURSES

Many courses are offered in spite of small enrollment. The University, however, reserves the right to withdraw undergraduate courses in which fewer than twelve students enroll, graduate courses numbered 200 or above in which fewer than ten students enroll, and graduate seminars numbered 300 or above in which fewer than six students enroll. If courses are withdrawn, the University attempts to avoid undue hardship for students enrolled toward degrees that they could possibly complete the current summer.

COURSES REQUESTED THAT ARE NOT OFFERED

On the other hand, if unexpected demand arises, some courses not announced will be given, provided sufficient demand is expressed at least thirty days prior to the opening of the Summer Session and provided the University has available on its undergraduate or graduate staff an instructor who has been offering the course desired. A minimum of fifteen students is usually interpreted as sufficient demand, except in cases where the proposed enrollment is too heavily withdrawn from courses already offered.

BIOLOGY

See courses listed under Botany and Zoology.

BOTANY

For admission to candidacy for the Master's degree in Botany, students must have completed a minimum of eighteen semester hours of biological science, including six semester hours of botany in courses numbered above one hundred. Students, who have not yet had the minimum eighteen hours, however, may enter higher courses by permission of the instructor, if he is convinced that they can carry the work for undergraduate credit, and may count such work toward the eighteen hours necessary for candidacy.

S1. General Botany.—An introduction to the structure and life-processes of seed plants, and the environmental factors influencing their distribution. *Laboratory, discussions, and field trips.* 8:00-11:00 A.M., and 2:00-5:00 P.M. daily, 1 (June 1-June 23) 4 s.h. (w) (*Laboratory fee, \$2.50.*)

MISS ADDOMS

S2. General Botany.—A survey of the plant kingdom with emphasis on reproduction, the fundamental principles of inheritance, and an introduction to identification. *Laboratory, discussions, and field trips.* 8:00-11:00 A.M., and 2:00-5:00 P.M. daily, 1 (June 25-July 17). 4 s.h. (w) (*Laboratory fee, \$2.50.*)

MISS ADDOMS

S235. Introduction to Field Botany.—A survey of the ferns and seed plants of the Piedmont; practice in identification; regular field trips to learn the common as well as rarer species in their native habitats. Prerequisite: one year of botany or equivalent. *Lectures and field trip or laboratory daily, morning and afternoon, 1 (first three weeks).* 3 s.h. (w) MR. OOSTING

S252. Plant Physiology.—The principal physiological processes of plants, including water relations, photosynthesis, digestion, translocation, respiration, and the relation of these processes to plant growth. 2:00-5:00 P.M., 1 (*second three weeks*). (w) 3 s.h. (*Laboratory fee, \$5.00.*) MR. KRAMER

CHEMISTRY*

S63. Qualitative Analysis.—A study of the reaction of acids, bases, and salts in solution as applied to the qualitative analysis of mixtures of inorganic compounds of the familiar elements. Prerequisite: courses S1 and S2. *Lecture daily, 1; recitation daily, 3; laboratory daily, 2:00-5:00 P.M., 1 (May 21-June 10).* 3 s.h. (w) (*Laboratory fee, \$7.00.*) MR. HOBBS

* All courses in Chemistry are offered subject to the exigencies of the War Program of the University.

S74. Quantitative Analysis.—A number of representative quantitative analyses are carried out in the laboratory, and the underlying theory is taken up in the lectures. Prerequisite: course S63 or equivalent. *Lecture daily, 1; recitation daily, 3; laboratory daily, 2:00-5:00 P.M., 1 (June 11-July 1). 3 s.h. (w) (Laboratory fee, \$7.00.)* MR. VOSBURGH

S155. Organic Chemistry.—An introduction to the study of carbon compounds. Compounds of aliphatic series form the basis of lectures, discussions, and laboratory experiments. Prerequisites: courses S63 and S74 or equivalent. *Recitation daily, 8:00 A.M.; lectures daily, 2:00 P.M.; laboratory daily, 9:00-12:00 A.M., 1 (May 21-June 10). 3 s.h. (w) (Laboratory fee, \$8.50.)* MR. BRADSHAW

S156. Organic Chemistry.—A study is made of compounds of the aromatic series, and of carbohydrates and proteins. Prerequisite: course S155. *Recitation daily, 8:00 A.M.; lectures daily, 2:00 P.M.; laboratory daily, 9:00-12:00 A.M., 1 (June 11-July 1). 3 s.h. (w) (Laboratory fee, \$8.50.)* MISS BROWN

S261. Physical Chemistry.—Fundamentals of general theoretical chemistry illustrated by selected laboratory experiments. Prerequisites: Chemistry S74, S155-S156, Physics S1-S2 or equivalent, and Mathematics 7-8 or equivalent. Calculus is desirable but is not required. In exceptional cases, and with the permission of the department, graduate students may offer other advanced science courses in place of some of these prerequisites. *Recitations daily, 1, 3; laboratory daily, 2:00-5:00 P.M., May 21-June 10. 3 s.h. (w) (Laboratory fee, \$7.00.)* MR. SAYLOR

S262. Physical Chemistry.—Continuation of S261. *Recitations daily, 1, 3; laboratory daily, 2:00-5:00 P.M., June 11-July 1. 3 s.h. (w) (Laboratory fee, \$7.00.)* MR. SAYLOR

S276X. Thesis Research.—Research in the fields of physical or organic chemistry. Open to those students whose research programs for the A.M. or Ph.D. degrees have been approved by the department and by one of the instructors in charge of the course. *1 (June 2 or June 10). 2 to 6 s.h. (w) (Not more than one semester hour of credit per week full-time schedule, or one semester hour each two weeks for half-time schedule.)*

MR. BIGELOW AND MR. HOBBS

(In lieu of regular fees in this course, students enrolling for four semester hours or less pay simple registration of \$20.00; all others pay special registration fee of \$25.00. Laboratory fees are arranged with the instructor according to materials used or destroyed.)

ECONOMICS

For admission to candidacy for the Master of Arts degree in Economics, the student must meet the general requirements for admission to the Graduate School and must have had twelve semester hours in economics, including Principles of Economics. Twelve additional semester hours must be offered in political science, sociology, or history.

Every candidate for a Master's degree must elect six semester hours of graduate work in Economic Theory. The other twelve hours in Economics should be elected as follows: six hours in the field in which he writes his Master's thesis and three hours in each of the two other fields. For purposes of concentration, the fields in addition to Economic Theory shall be Finance, Economic History, History of Economic Thought, and Social Economics. The minor of six semester hours must be taken in political science, sociology, or history, or in some other department approved by the major department.

S51. Principles of Economics.—A short course in the essential principles of economic science. (This course will not count as a part of the minimum economics requirements for graduation until the equivalent of S52 has been completed. It will, however, count as elective credit.) *A, C, May 25-June 12; A, II. 3 s.h.* MR. R. S. SMITH (*second term*)

S52. Principles of Economics.—A continuation of Economics S51, with emphasis on economic problems. (This course will not count as part of the minimum economic requirements for graduation until the equivalent of S51 has been completed. It will, however, count as elective credit.) *A, C, June 15-July 3; B, II. 3 s.h.*

S57-S58. Principles of Accounting.—Elementary principles of single proprietorship, partnership, and corporation accounting. *Period C will be used as a laboratory period. A, B, C, May 25-July 3. 6 s.h. (w)* MR. VAN VOORHIS

S115. Economic Geography: Teachers' Course.—A study of the interrelation of human activities and environmental elements. The discussion embraces location, maps and their interpretation, the major climatic regions, seasonal influences, weather, lands and their uses, soils, and minerals, bodies of water, plants, animals, and the works of man, as environmental factors. *A, I. 3 s.h.* MR. LEMERT

Note: Conservation of Natural Resources.—Teachers especially desiring to take courses dealing with the conservation of natural resources are advised to elect S115, or S116. Teachers with good background in geography should elect S116 if they can take only one of the two.

S116. Economic Geography and Industrial Organization.—A study of the economic resources and industries of the world: a general appraisal of the natural and the cultural environment; agricultural and manufacturing industries and their location; the conservation of natural resources; world aspects of resource ownership and utilization. *B, I. 3 s.h.* MR. LEMERT

S171-S172. Advanced Accounting.—Advanced accounting theory and practice applied to the managerial problems of valuation and operation in corporations, consolidations, mergers, and liquidations. Open to students who have completed Accounting S57-S58. *Period C will be a laboratory period. A, B, C, May 25-July 3. 6 s.h. (w)* MR. SHIELDS

S181. Business Law: Contracts, etc.—The fundamental principles of law as applied to common business transactions. *C, II. 3 s.h.* MR. HON

S182. Business Law: Partnerships, etc.—A continuation of S181, dealing with agency, bailment, sales, negotiable instruments, partnerships, and bankruptcy. Open for enrollment to those who have had the equivalent of course S181 or are carrying that course concurrently. *D, II. 3 s.h.* MR. HON

S204. Money, Banking, and Credit.—An examination of monetary and banking problems—the gold standard, central bank policy, inflation and deflation, attempts to control prices and the business cycle, and international exchange. Developments since 1914 are studied particularly. (Not open for enrollment to students who have had 153-154, but allowable for a substitute for that course in the Business Administration group if the student takes also three semester hours of other approved work in Economics.) *C, I. 3 s.h.*

MR. BLUM

S236. Public Finance.—This course deals with public expenditures, public revenue, public debts, and financial administration. *A, I.* 3 s.h. MR. BLUM
[Not offered if there is greater demand for S270.]

S270. Economics of War.—A study of the economic causes of war; the economic problems of neutrals; transition from a peace to a war economy; the cost of war and national defense; war finance through taxes, loans, and inflation; price and wage controls; rationing and priorities; the allocation of labor and resources; restrictions on shipping and exchange; the technique and results of economic warfare; war and technology; demobilization and unemployment; the return to a peace economy; debts, reparations, and indemnities; and post-war depressions. *A, I.* 3 s.h. MR. BLUM

[Not offered if there is greater demand for S236.]

S286. Latin-American Economics.—*C, II.* 3 s.h. MR. R. S. SMITH

EDUCATION

For admission to candidacy for the Master of Arts (A.M.) degree with major in Education, or for the Master of Education (M.Ed.) degree, students must, in addition to meeting the general requirements for admission to the Graduate School, meet the following specific requirements: 1. Eighteen semester hours of acceptable prior work in Education; 2. Twelve semester hours acceptable prior work in a minor field (Exceptions: if Psychology, Sociology, Economics, or Political Science is offered for the minor, six semester hours of work completed after entering the junior year in college will be accepted).

Graduate courses in the Department are grouped under the following subdivisions: Public School Administration, Public School Supervision, Secondary Education, Elementary School Education, and Educational Psychology. Every candidate for the Master of Arts degree in the Department should elect at least twelve semester hours in the one of these fields in which he intends to write his thesis and the remainder of his work, including the six semester hours in his minor, with the approval of the proper division adviser. Dr. Proctor is adviser to students in School Administration; Dr. Proctor, Dr. Carr, and Dr. Scates advise majors in Supervision; Dr. Carr is adviser in Elementary Education; Professor Childs advises in Secondary Education; and Dr. Brownell and Dr. Scates advise in Educational Psychology. Candidates for the M.Ed. degree under the new requirements should read with special care the regulations of the Graduate School as set forth on pages 15-22, this bulletin.

PUBLIC SCHOOL ADMINISTRATION (GRADUATE COURSES)

(Master's candidates in this division elect their minor work in Political Science, Economics, or Sociology. Candidates for the Master of Education under the new plan must take fifteen semester hours of work from the courses specifically listed under this division.)

S203. Principles of School Administration.—Prerequisite: six semester hours of courses in classroom management and educational psychology. This course is recommended for all students beginning a major in school administration. *B, I.* 3 s.h. MR. PROCTOR

S213. Problems of the Organization and Administration of the Elementary School.—A study of the work of the elementary school principal. *A, C, I* (second three weeks); *A, C, II* (first three weeks). 3 s.h. MR. HILLEGAS

S234. Secondary School Organization and Administration.—A study of the outstanding problems of secondary school organization and administration other than problems of gradation and classification of pupils. (For these two problems, see course S273 listed under Supervision.) *C, I; B, II. 3 s.h.*

MR. HIGSMITH (*first term*)

MR. GOLDTHORPE (*second term*)

S233. Public School Finance.—A study of educational costs, sources of revenue for the support of public education, collection of revenue, basis of distribution, and accounting for funds spent. *B, I. 3 s.h.* MR. GOLDTHORPE

S333X. Thesis Seminar: Research in School Administration.—For thesis students and others by permission. *Credit to be arranged. B, C, II (first three weeks). 3 s.h.* MR. PROCTOR

S343. State and County School Administration.—A study of the state and county organization of public schools, emphasizing underlying principles. (Enrollment in this course is limited to students who have already had at least six semester hours in public school administration. Students who are expecting to write theses the summer of 1943 in the field of public school administration will be given preference in enrollment.) *A, I. 3 s.h.* MR. PROCTOR

Other courses accepted, not to exceed a total of nine semester hours, as work in School Administration are the following, when the student has the approval of his major professor: S209, S232, S233 or S233A, S273, S287, S288, S293, S305, listed under the division of Supervision; S208, S258, listed under Educational Psychology; S264 and S304, listed under History of Education; S205, S206, S216, listed under Secondary Education; and S207, S212, S222, listed under Elementary Education. It will be noticed that not all of these courses are offered this summer, but the complete list is published for the benefit of students who have already completed those not offered in 1943.

PUBLIC SCHOOL SUPERVISION (GRADUATE COURSES)

(Master's candidates in this division elect their minor work in Psychology or an approved combination with Educational Psychology, or in Sociology. Master of Education candidates are permitted as many as nine semester hours of work in their minor, but take the remaining twelve or fifteen, if minor is only six hours, from courses specifically described or listed under Supervision.)

S209. Statistical Methods in Education.—A course intended to familiarize teacher, supervisor, and administrator with the statistical method of treating educational and social data, so as to enable them to interpret and use the results of recent investigation in the science of education. Presented primarily from the point of view of the classroom teacher. *B, I. 3 s.h.* MR. SCATES

S222. The Curriculum and Materials of the Elementary Grades.—A study of curriculum problems in the elementary schools. *C, I. 3 s.h.*

MR. HILLMAN

S232. Elementary School Supervision.—A survey of supervision as a means of improving instruction and adapting the curriculum to child and community needs. *B, I. 3 s.h.* MR. CARR

S273. Problems of High-School Supervision.—A consideration of such problems as aims and purposes of high-school supervision, elements of an effective supervisory program of supervision for city and rural schools, the administration of supervision. *B, I. 3 s.h.* MR. HIGSMITH

S288. Problems of Mental Hygiene and Education.—The problems, objectives, scope, factors, and techniques of mental hygiene, particularly with reference to its educational and social implications; the prevention of hampering personality difficulties and development of wholesome personality; types of adjustment difficulties in different types of children, especially in the normal, and their preventive and remedial treatment; the mental hygiene of the teaching and learning. *B, I. 3 s.h.* MR. ADAMS

S304. The School as an Institution.—The place of the school in society, its history and philosophy. This is one of the reading courses required for the Master of Education degree of students beginning work after June 1, 1938. Selected problems guiding the reading of students will be discussed in class, and reading students are expected to attend the class from time to time. Other students may take the course for three semester hours credit, as any other graduate course listed. *D, I; A, II. 3 s.h.* MR. GOLDTHORPE

S305. The Nature, Function, and Reorganization of the Curriculum.—This is one of the reading courses required for the Master of Education degree of students beginning work after June 1, 1938. Selected problems guiding the reading of students will be discussed in class, and reading students are expected to attend the class as suggested by the instructor. Other students may take the course for three semester hours credit, as any other graduate course listed. *A, I. 3 s.h.* MR. CARR

Other courses accepted, not to exceed a total of six semester hours, as work in School Supervision are the following, when the student has the approval of his major professor: S234, S343, S363, listed under the division of Administration; S300, S208, S218, S258, S317, listed under Educational Psychology; S214, S264, S304, listed under History of Education; S205, S206, S216, S226, S236, S246, S266, S276, listed under Secondary Education; and S207, S212, S213, S237, S247, S257, listed under Elementary Education.

EDUCATIONAL PSYCHOLOGY (GRADUATE COURSES)

(The Master of Education degree is not offered in this division. Master of Arts candidates should choose Psychology for their minor subject. It will be observed that certain of the courses listed under Educational Psychology are also listed under Supervision, Secondary Education, or Elementary Education.)

S208. Mental Tests and Applications.—A study of the development of intelligence testing, the concept of general intelligence, various recent applications of mental tests, and training in the individual tests. Prerequisite: course S258 or six semester hours of other work in educational psychology or psychology. *C, II. 3 s.h.* MISS VAN ALSTYNE

S209. Statistical Methods in Education.—*B, I. 3 s.h.* MR. SCATES

S212. Psychology of the Elementary School Subjects.—A study of the psychology of learning as applied to teaching the common-school subjects. *A, I. 3 s.h.* MISS VAN ALSTYNE

S216. Psychological Principles of Secondary Education.—A study of adolescence and the psychology of learning as applied to teaching the principal high-school subjects. *A, I. 3 s.h.* MR. CHILDS

S218. Educational Implications of Genetic Psychology.—A course tracing the development of the individual through the stages of growth and learning, with emphasis upon early and later childhood; the development of such behavior patterns as play, language, etc.; the process of socialization; and similar material of special significance to teachers in the elementary schools. An advanced section of S118, not open for enrollment to students who have credit for that course. Prerequisite: six semester hours of psychology or educational psychology. *C, II. 3 s.h.* MR. BROWNELL

S237. Investigations in Reading.—A summary of the more important scientific studies in reading; interpretation of the results in terms of aims, methods, materials of instruction, testing, diagnosis, and supervision; emphasis on problems requiring further investigation. *D, I. 3 s.h.* MISS VAN ALSTYNE

S247. Investigations in Arithmetic.—An analytical survey of investigations in arithmetic, with three purposes in view: (1) to examine the techniques employed with respect to their adequacy as means of solving the problems attacked; (2) to test the validity of the results announced and the values of these results for the teaching of arithmetic; (3) to locate further problems in arithmetic in need of scientific research. *C, I. 3 s.h.* MR. BROWNELL

S258. Educational Measurements.—A study of the purposes and uses of standardized and informal tests and scales with special emphasis on their use in the improvement of instruction. *A, II. 3 s.h.* MISS VAN ALSTYNE

S288. Problems of Mental Hygiene and Education.—*B, I. 3 s.h.* MR. ADAMS

S300. Introduction to Educational Research.—Primarily a pre-thesis writing course designed to be liberalizing as well as technical. The general purpose is to give the student an overview of research, acquaint him with the nature of research processes, and develop within him an appreciation of the essential characteristics of good research work. Recommended for students who intend to write theses in Education in 1943. Required of all candidates for the Master of Education degree who began their work after June 1, 1938. *C, I, II. 3 s.h.* MR. SCATES

S300X. Educational Research.—Thesis credit only. *D, II. 3 s.h.* MR. SCATES

S317. The Psychological Principles of Education.—An advanced study of teaching, learning, and the learner. This is one of the reading courses required for the Master of Education degree of students beginning work after June 1, 1938. Selected problems guiding the reading of students will be discussed in class. *B, I, II. 3 s.h.* MR. BROWNELL

SECONDARY EDUCATION (GRADUATE COURSES)

(Master's candidates in this division should elect minor work in their teaching subject, or in Psychology or Sociology. Master of Education candidates are required to elect their minor work in their teaching subject, and all of their work in Education must come from courses listed in this division.)

S205. Curriculum Problems in Secondary Education.—A consideration of practical problems of curriculum-making in the high school, in the light of the objectives of secondary education. *C, I. 3 s.h.* MR. CHILDS

S206. Sociological Foundations of Secondary Education.—A consideration of the fundamental institutions of society and the problem of preparing youth to participate in them. The aims and objectives of the secondary education are considered in the light of the school as the strategic agent for guidance. This course is closely related both to S205 and S215. *B, I. 3 s.h.* MR. GWYNN

S215. Educational and Vocational Guidance.—A survey of the literature on guidance with special reference to secondary education; a critical study of the principles and techniques used in guidance; an attempt to locate the problems most urgently in need of solution. Prerequisite: twelve semester hours in the Department, including course 105 or course 206. *A, I. 3 s.h.*

MR. GWYNN

(Course S105 is elementary Educational Sociology.)

S216. Psychological Principles of Secondary Education. *A, I. 3 s.h.*

MR. CHILDS

S226. The Teaching of History and the Social Studies.—Identical with History S211. *B, I. 3 s.h.*

MR. MANCHESTER

S234. Secondary School Organization and Administration.—*C, I; B, II. 3 s.h.*

MR. HIGHSMITH (*first term*)

MR. GOLDTHORPE (*second term*)

S246. The Teaching of High-School Mathematics.—Identical with Mathematics S204. *C, I. 3 s.h.*

MR. W. W. RANKIN

S273. Problems of High-School Supervision.—*B, I. 3 s.h.*

MR. HIGHSMITH

S334X. Thesis Seminar in Secondary Education.—*Schedule to be arranged. II (first three weeks). 3 s.h.*

MR. CHILDS

Other courses accepted, not to exceed a total of six semester hours, as work in Secondary Education are the following, when the student has the approval of his major professor: S233 or S233A, S287, S289, S209, S224, listed under the division of Supervision; S208, S217, S218, S219, S258, listed under Educational Psychology; and S264 under History of Education.

ELEMENTARY EDUCATION (GRADUATE COURSES)

(Master's candidates in this division should take their minor work of six semester hours in Psychology, Educational Psychology, or an approved combination of the two, or in Child Welfare and Development wholly in Sociology, or partly Sociology and Psychology, or Educational Psychology, if a satisfactory combination can be worked out. Master of Education candidates in this division must take fifteen semester hours of work described or listed under Elementary Education.)

S207. Technique of Teaching.—An advanced course in the teaching process, dealing with the theory underlying sound technique and applied specifically to the work of the elementary school. A course primarily for those interested in the supervision of elementary school instruction. *A, C, II (first three weeks). 3 s.h.*

MR. CARR

S212. Psychology of the Elementary School Subjects.—*A, I. 3 s.h.*

MISS VAN ALSTYNE

S213. Problems of the Organization and Administration of the Elementary School.—*A, C, I (second three weeks); A, C, II (first three weeks). 3 s.h.*

MR. HILLEGAS

- S218. Educational Implications of Genetic Psychology.—*C, II. 3 s.h.*
MR. BROWNELL
- S222. The Curriculum and Materials of the Elementary Grades.—*C, I. 3 s.h.*
MR. HILLMAN
- S232. Elementary School Supervision.—*B, I. 3 s.h.*
MR. CARR
- S237. Investigations in Reading.—*I, I. 3 s.h.*
MISS VAN ALSTYNE
- S247. Investigations in Arithmetic.—*C, I. 3 s.h.*
MR. BROWNELL
- S268. Investigations in Geography.—A study of surveys and investigations in geography, with reference to: (1) nature and scope of the subject; (2) its place in realizing the aims and objectives of elementary education; (3) methods of teaching. *B, I. 3 s.h.*
MR. HILLMAN
- S288. Problems of Mental Hygiene and Education.—*B, I. 3 s.h.*
MR. ADAMS
- S304. The School as an Institution.—*D, I; A, II. 3 s.h.* MR. GOLDTHORPE
- S305. The Nature, Function, and Reorganization of the Curriculum.—*A, I. 3 s.h.*
MR. CARR

Other courses accepted, not to exceed a total of six semester hours, as work in Elementary Education are the following, when the student has the approval of his major professor: S224, S233 or S233A, listed under the division of Supervision; S208, S217, S219, listed under Educational Psychology; and S264 under History of Education.

UNDERGRADUATE COURSES

(By permission Seniors may enter graduate courses numbered below 300. Attention is called to the fact that toward the A.B. degree not more than six semester hours of methods courses are allowed to count.)

S68. Mental Hygiene of the School Child.—A course primarily for teachers in the elementary school. A study of personality factors as related to the adjustment and success of the school child; the foundations of motivation; typical problems of maladjustment; social heredity and its educational implications; variations in intelligence. *C, I. 3 s.h.*
MR. WATSON

S128. Tests and Measurements in Personnel Work.—A critical study of the principles and techniques of measurement in industrial, social, and educational personnel work. The course attempts to serve three purposes: (1) acquaint the student, as a matter of cultural interest, with the rapidly expanding field of personnel study, (2) provide a basis of technical training to enable the student to develop himself professionally after he enters personnel work, and (3) provide a basis for personal vocational orientation. *A, I. 3 s.h.*
MR. WATSON

ENGINEERING

G.E. 1. Engineering Drawing.—The study of mechanical drawing with emphasis on drawing elementary machine parts, dimensions, pencil technique; elementary drawing board geometry, including point line and plane relations; elementary work in developments and intersections. *Two weeks, beginning June 10. Hours to be arranged, I. 2 s.h.*
MR. LEWIS

C.E. 60. Plane Surveying.—Use of instruments; transit, stadia, compass and plane-table surveying; simple triangulation; determination of meridian by observation on Polaris; differential and profile leveling; setting grade stakes; calculation of bearings, latitudes, and departures; areas by planimeter; methods of plotting; survey and plot of sections of the campus by stadia, and transit-tape method. Prerequisites: drawing and trigonometry. *Three weeks, eight hours a day, beginning May 20 (first section); same for three weeks beginning June 10 (second section).* 3 s.h. MR. HALL, MR. BIRD, AND MR. WILLIAMS

M.E. 159. Senior Mechanical Engineering Laboratory.—Tests and reports on performance and economy of internal combustion engines, steam engines and turbines; heat transfer, radiator tests, and heat balances. *Required of all Seniors in mechanical engineering. Two weeks, full time, beginning May 21.* 2 s.h. MR. THEISS, MR. HINTON

ENGLISH

Those who wish to become candidates for the Master's degree in English are expected to have at least twelve semester hours in courses above Sophomore requirements. The Department reserves the right to require additional course work on the graduate level if the work of the student in his first term indicates inadequate preparation. For admission to candidacy with a major in American Literature, the student must present courses S137-S138 or an acceptable equivalent in American Literature either as part of the twelve stipulated above or in addition to them.

Master's candidates in English are required to complete at least three semester hours in Chaucer or certain other designated courses. Master's candidates who have completed as many as twelve semester hours of graduate work should take also the bibliography course, S301, at their earliest opportunity.

All graduate students in English who enter the Summer Session after June 1, 1940, must take a general examination set by the advisory committee of the Department before they will be admitted to candidacy for a degree. This examination is held at the opening of the first term of the Summer Session each year. It must be passed by every student not later than the beginning of his third term of summer work.

S1. English Composition.—A course in the fundamentals of English composition, oral and written, with special attention to sentence structure, syntax, common errors, etc. Frequent themes. *A, I, II.* 3 s.h.

MR. HARWELL (*first term*)

MR. FITZGERALD (*second term*)

(All entering Freshmen of the Summer Session are advised to take this and its continuation course, English S2. As in the case of other undergraduate courses, these courses will not be given either term in which the enrollment falls below twelve students.)

S2. English Composition.—A continuation of course S1. *C, I, II.* 3 s.h. (W & E)

MR. HARWELL (*first term*)

MR. FITZGERALD (*second term*)

S55. Representative English Writers.—Homer, Malory, More, Shakespeare, Pepys, and Swift will be studied. *A, I.* 3 s.h. MR. BLACKBURN

S56. Representative English Writers.—Fielding, Boswell, Goldsmith, Sheridan, Byron, Carlyle, Thackeray, and Strachey will be studied. *B, I.* 3 s.h.

MR. BLACKBURN

S121. Play Production.—This course deals with the theory and practice of producing plays. The work includes make-up, lighting, scene-design and painting, costume directing, and stage-management. There is practice work both in the laboratory and in the theater. *Lectures 2:30-3:30 P.M. every other day beginning June 9, and laboratory 2:30-4:30 P.M. every other day beginning June 2, I. 3 s.h.* MR. WEST

S123. Shakespeare.—The histories and comedies. *B, I. 3 s.h.*

MR. MITCHELL

S124. Shakespeare.—Introduction and detailed study of the tragedies. *C, I. 3 s.h.* MR. MITCHELL

S125. Early Nineteenth-Century Literature.—This course consists of representative English writers in the period 1789-1832, with emphasis upon Coleridge, Wordsworth, Hazlitt, and Scott. *A, II. 3 s.h.* MR. PATTON

S126. Early Nineteenth-Century Literature.—Continuation of course S125, emphasizing Byron, Shelley, and Keats. *C, II. 3 s.h.* MR. PATTON

S138. American Literature, 1850-1900.—This course consists of wide reading in American prose produced from 1850 to 1900. *B, I. 3 s.h.* MR. LEARY

S139. The Speaking Voice.—This course gives training in placement, pitch, range, and diction for use in professional work and in daily conversation. *C, I. 3 s.h.* MR. WEST

S145. English Poetry, 1832-1900.—A study of representative English poets of the period, with special emphasis on Tennyson and Browning. *A, C, June 21-June 10. 3 s.h.* MR. SANDERS

S146. English Poetry, 1832-1900.—Emphasis will be placed on Arnold, the Rossettis, Swinburne, Morris, Housman, and Hardy. *A, C, June 11-July 1. 3 s.h.* MR. SANDERS

S163. Folk Background of Literature.—The reading of fables, tales, legends, nursery rhymes, ballads, and songs. Correlation with forms of individual literature. Attention given to North Carolina and Southern folklore. Lantern slides and illustrative singing. *A, I. 3 s.h.* MR. J. M. CARPENTER

S203. Chaucer.—A survey of his life and principal poems, the development of his art, the sources and social background of his poetry. *A, I. 3 s.h.* MR. BAUM

S210. English Literature, 1660-1700.—A study of the poetry and prose between 1660 and 1700. Chief emphasis will be placed on the works of Dryden, Butler, Marvell, Oldham, Cowley, Saville, Temple, and Swift. Milton will be omitted. *B, I. 3 s.h.* MR. WARD

S225A. Early Victorian Literature: Browning.—A study of Browning's poetry and its contribution to nineteenth-century thought. Special attention will be given to the shorter poems, four books of the *Ring and the Book*, and three of the dramas. *A, I. 3 s.h.* MR. BEVINGTON

S226. Later Victorian Literature, 1850-1900.—A study of the major writers of this period. Special attention will be given to Arnold, Rossetti, Swinburne, Ruskin, and Pater. *B, I. 3 s.h.* MR. BEVINGTON

S228. Literary Criticism.—A history of literary criticism after 1800. *B, II. 3 s.h.* MR. GILBERT

S229. American Literature, 1800-1870: The New England Writers.—A survey of the principal writers of the period, including Emerson, Hawthorne, Longfellow, Whittier, Lowell, Holmes, and Thoreau. *C, I.* 3 s.h.

MR. LEARY

S230. American Literature, 1800-1870: Middle Atlantic and Southern.—A survey of the principal writers of the period, including Poe, Irving, Cooper, Melville, and Simms. *B, I.* 3 s.h.

MR. HUBBELL

S233. American Literature since 1870: Part I.—A survey of the principal writers of the earlier part of this period, including Whitman, Mark Twain, and Lanier. *C, II.* 3 s.h.

MR. GOHDES

S301. Bibliography and Methods of Research.—This course or its equivalent is required of all candidates for higher degrees. (Limited to 12 students.) *A, D, I (second three weeks).* 3 s.h.

MR. JENKINS

S307. Seminar in American Literature prior to 1870.—*D, I.* 3 s.h.

MR. HUBBELL

S308. Seminar in American Literature since 1870.—Thesis credit. *D, II.* 3 s.h.

MR. GOHDES

S317X. Seminar in Victorian Literature.—Thesis credit. *D, I.* 3 s.h.

MR. BAUM

S321. Seminar in English Literature, 1660-1700.—*D, I.* 3 s.h.

MR. WARD

S329. Seminar in Sixteenth- and Seventeenth-Century English Literature.—Open by permission of the instructor to students who have had at least one course in the drama or other literature of the period, and especially for students writing theses. The Restoration will not be dealt with. *D, II.* 3 s.h.

MR. GILBERT

FRENCH

S3. French Prose.—Reading and translation, exercise in grammar review and verb drill. Prerequisite: French S1-S2 or two years of high-school French. *A, C, May 21-June 10.* 3 s.h.

MR. WALTON

S4. French Prose.—Reading and translation, writing in French at dictation, and aural drill. Prerequisite: French S3. *A, C, June 11-July 1.* 3 s.h.

MR. WALTON

S59. French Composition and Conversation.—Practice in pronunciation, in writing and understanding simple French sentences, in asking and answering simple questions. Drill in specialized vocabulary, such as asking directions, the weather, articles of food and clothing, telling time, money and measures, forms of address, elementary etiquette, general military and first aid terms. In so far as possible this course will be adapted to the individual needs of the students enrolling in it. *A, C, May 21-June 10.* 3 s.h.

MR. COWPER

[S59 may be taken as a substitute for French S51 or as an elective beyond S51-S2.]

S52. Introduction to French Literature.—Prerequisite: French S51. *A, C, June 11-July 1.* 3 s.h.

MR. COWPER

GEOGRAPHY

See courses listed under Economics.

GERMAN

S3. Intermediate German.—Grammar and composition; dictation, spoken German; reading of narrative and dramatic prose. *A, II.* 3 s.h.

MR. KRUMMEL

S4. Intermediate German.—Grammar and composition; dictation, spoken German; reading of narrative and dramatic prose. *C, II. 3 s.h.*

MR. KRUMMEL

GOVERNMENT

See courses listed under Political Science.

HISTORY

For admission to candidacy for a Master's degree in History the student must present a total of eighteen semester hours of prior work in History, of which at least six must be in American History if he plans to take his major work in that field. Before enrolling for thesis supervision, candidates for the Master's degree are required to complete at least three semester hours of seminar work and are strongly urged to enroll for this work in the second term of their attendance in the Summer Session. (See courses numbered 300 or above.)

S51. Main Currents in the Modern World.—A study of the important factors in the Western world from 1500 to 1871, including such topics as the civilization of the Italian cities, the revolt from the Roman Church, the commercial revolution and the age of discovery, European state politics and the balance of power, the French Revolution and Napoleon, the Industrial Revolution, relations between Europe and Asia, the unification of Italy and Germany. *A, C, May 25-June 12; B, II. 3 s.h.*

MR. ROPP (*first term*)

MR. MCCLOY (*second term*)

S52. Historical Background of the World Today.—A study of the immediate forces preliminary to the present world conflict, including such topics as the partition of Africa, European penetration of the Far East, the rise of the United States as a world power and Latin America, European alliances and rivalries, the first World War and the League of Nations, the rise of the totalitarian states, the second World War. *A, C, June 15-July 3. 3 s.h.*

S91. Political and Social History of the United States to 1850.—A general study of the development of the United States, prefaced by a brief review of the Colonial era, covering the period from the Revolution through the Compromise of 1850. *A, C, May 21-June 10. 3 s.h. (w)*

MR. BREWSTER

S92. Political and Social History of the United States since 1850.—A continuation of course S91, concluding with an introduction to problems that have arisen in the United States since the World War. *A, C, June 11-July 1. 3 s.h. (w)*

MR. BREWSTER

S101. Development of Western European Civilization to about A.D. 500.—A study of the development in Western Europe of the familiar institutions and culture of modern society as developed from ancient times through the Roman period. *A, I. 3 s.h.*

MR. MANCHESTER

S128. Inter-American Affairs.—This course treats the relations of the Latin-American states with each other and with the United States with the design of explaining the current significance of Latin America. Chief emphasis is placed upon social problems and movements common to all the republics and upon the role of the United States in Latin-American affairs, including such topics as American interventions; contributions of the United States to

Latin-American life in such matters as public health; Pan-Americanism; foreign penetration and ideologies; the cultural and commercial aspects of the Good Neighbor Policy; Latin-American states in the World War and the present conflict. *C, I. 3 s.h.* MR. LANNING

S203. The Union, Confederacy, and Reconstruction.—The subjects considered are the rise of secession, the constitutional and economic problems of the Union and Confederacy, and the political and economic adjustments during Reconstruction. *C, II. 3 s.h.* MR. WOODY

S211. The Teaching of History and the Social Studies.—*B, I. 3 s.h.* MR. MANCHESTER

S234. Political and Social Problems in the Hispanic American Republics.—*B, I. 3 s.h.* MR. LANNING

S236. The South in Federal Politics, 1789-1860.—*A, I. 3 s.h.* MR. SYDNOR

S242. The Origins of the War between the United States and Japan, 1941.—An analysis of the gathering forces of conflict—political, economic, social, and military—which culminated in the attack on Pearl Harbor, December 7, 1941. *C, I. 3 s.h.* MR. CLYDE

S268. Social History of Western Europe during the Eighteenth Century.—A study of the life and manners of the people of Western Europe during the 1700's. Especial attention will be given to Great Britain and France. Among the topics treated will be amusements, dress, social conventions, sanitation, crime and punishment, prisons, hospitals, asylums, educational institutions, libraries, secret societies, roads, and travel. *A, II. 3 s.h.* MR. MCCLOY

S315. Seminar in Southern History.—Selected topics in the development of the Southern region, chosen year to year in different periods in its development. *D, I, II. 3 s.h.* MR. SYDNOR (*first term*)
MR. WOODY (*second term*)

S343. Seminar: Studies in American Foreign Relations.—Particular emphasis on the Pacific and the Far East. Enrollment is limited to twelve students. Students writing theses under Professor Clyde's direction will register for this course, as well as those seeking general training in historical research in this field. *D, I. 3 s.h.* MR. CLYDE

HYGIENE AND PHYSICAL EDUCATION

S112. Personal and School Hygiene.—General, personal, and school hygiene with some instruction in anatomy and physiology; cause, transmission, and prevention of communicable disease; the more common defects of school children; schoolhouse sanitation; medical inspection, etc. *A, C, I (first three weeks). 3 s.h.* MISS PETERSON

NOTE AS TO UNDERGRADUATE PHYSICAL EDUCATION

Undergraduate students in Trinity College are required to take six semester hours of physical education, divided into four courses taken one each term during their first two years in college. Similarly undergraduate students in the Woman's College are required to have six semester hours of physical education, divided among their first three years in college. By request such of these courses as may enroll as many as twelve students before May 10 will be offered the first term of the Summer Session. Each course involves a special fee of \$5.00 per student, and credit is limited to one semester hour or one and one-half semester hours per course.

MATHEMATICS*

For admission to candidacy for the degree of Master of Arts with major in Mathematics a student must have a minimum of twenty-four semester hours of credit for course work in mathematics or related fields. This course work must be approved by the Department through the Director of Graduate Studies, Professor J. J. Gergen, or his representative. It must include differential and integral calculus and an additional six semester hours of work in mathematical courses of at least junior level.

To obtain the degree a candidate must specialize in one of the following divisions of mathematics: algebra, analysis, or geometry. In his division of specialization he must write his thesis and complete at least twelve semester hours of course work. To help students meet the thesis requirement, the Department offers a thesis seminar (Mathematics S389X-S390X) in which supervision of thesis writing is available in one or more of the divisions. The scope of the seminar is announced each year in this bulletin.

Each student should, as early as possible in his graduate work, discuss his program with Professor Gergen or his representative.

S1. Introduction to College Algebra.—Elementary topics, factoring, fractions, rectangular coordinates and graphs, exponents, radicals, linear equations in one and several unknowns, quadratic equations in one and two unknowns, ratio, proportion, and variation. Hart, *College Algebra* (revised edition, New York, 1938). *I, II. Hours, number of sections, and section instructors to be arranged.* 3 s.h. STAFF

S2. Trigonometry.—Plane trigonometry, introduction to spherical trigonometry. Kells, Kern, and Bland, *Plane and Spherical Trigonometry* (revised edition, New York, 1940) without tables; Kells, Kern and Bland, *Five-Place Logarithmic and Trigonometric Tables* (New York, 1935). Prerequisite: Mathematics S1 or the equivalent. *I, II. Hours, number of sections, and section instructor to be arranged.* 3 s.h. STAFF

S50. Analytic Geometry.—Rectangular and polar coordinates, loci, straight lines, conic sections, introduction to solid analytic geometry. Love, *Elements of Analytic Geometry* (second edition, New York, 1940). Prerequisite: Mathematics S1 and S2 or the equivalent. *I, II. Hours, number of sections, and section instructors to be arranged.* 3 s.h. STAFF

S204. Teaching of Mathematics.—Fundamental processes, methods of study, mathematical literature, content of courses, applications, use of instruments, correlation of different branches, historical development of secondary school mathematics. Prerequisite: integral calculus. *C, I.* 3 s.h. MR. W. W. RANKIN

S293. Topics in Algebra.—Content to be arranged in accordance with needs of students. Prerequisite: integral calculus. *A, I.* 3 s.h. MR. CARLITZ

S295. Topics in Analysis.—Content to be arranged in accordance with needs of students. Prerequisite: integral calculus. *B, I.* 3 s.h. MR. CARLITZ

S297. Topics in Geometry.—Content to be arranged in accordance with needs of students. Prerequisite: integral calculus. *B, D, II (first three weeks).* 3 s.h. MR. CARLITZ

* All courses in Mathematics are offered subject to the exigencies of the War Program of the University.

S389X. Thesis Seminar.—Supervision of individual theses in algebra, analysis, and geometry. Students should consult the Director of Graduate Studies or his representative before registering. *Thesis credit only. Schedule to be arranged, I.*

S390X. Thesis Seminar.—Supervision of individual theses in analysis and geometry. Students should consult the Director of Graduate Studies or his representative before registering. *Thesis credit only. Schedule to be arranged, II (first three weeks),*

PHYSICS*

For admission to candidacy for a Master's degree with major in Physics, students must have completed a minimum of twelve semester hours of Physics. This course work, together with the work in the field of the proposed minor, must be approved by the Department through the Director of Graduate Studies.

S2. General Physics.—This course traces historically and experimentally the development of great principles. It stresses neither mathematical processes nor exact measurements. Three-hour recitation and two-hour laboratory daily. *Lectures, 1, 2, 3; laboratory, 2:00-4:00 P.M., I (May 21-June 15). 4 s.h. (w)*

MR. D. W. CARPENTER AND ASSISTANTS

S51-S52. General Physics.—A course designed to meet the requirements for entrance into the study of medicine, primarily for students who cannot complete 51-52 next year. *Lectures, 1, 2, 3; laboratory, 2:00-5:00 P.M., II. 8 s.h.*

MR. D. W. CARPENTER AND ASSISTANTS

S213. Contemporary Physics.—The fundamental concepts and experimental basis of modern theories of the structure of matter, including the atomic nature of matter and electricity, relativity, the radiation laws and quantum theory of light. *Arr., May 21-June 10 (full-time). 3 s.h. (w)*

MR. CONSTANT

S214. Contemporary Physics.—A descriptive treatment, as in Physics S213, of wave mechanics, atomic and molecular spectra, radioactivity and nuclear physics. *Arr., June 11-July 1 (full-time). 3 s.h. (w)*

(With the consent of the instructor, students of sufficient preparation may enter S214 without having had S213.)

POLITICAL SCIENCE

S61. American Government and Politics.—A study of the American political system, emphasizing the organization and functioning of the national government. *A, I. 3 s.h.*

MR. SIMPSON

(This course will be repeated the second term if there is sufficient demand; also, S62 below.)

S62. American Government and Politics.—A study of the American political system, emphasizing the organization and functioning of state and local government. Continuation of S61. *C, I. 3 s.h.*

MR. SIMPSON

S209. State and Local Government in the United States.—A study of the historical development of state and local governments, their present organization, their relation to each other and to the federal government. *C, II. 3 s.h.*

MR. R. S. RANKIN

* All courses in Physics are offered subject to the exigencies of the War Program of the University.

S227. International Law.—Elements of international law of peace, particularly as interpreted and applied by the United States. *A, I.* 3 s.h.
MR. WILSON

S228. International Law.—Rules relating to state responsibility, international adjudications, war and neutrality. (Not open for enrollment by students who have not had the equivalent of S227, unless they are also enrolled in that course.) *B, I.* 3 s.h.
MR. WILSON

S310. Seminar in State Government.—Open to students who have completed or are taking course S209 or its equivalent. *D, II.* 3 s.h.
MR. R. S. RANKIN

(If there is sufficient demand, this course will be reduced to the 200 level as a problems course open to students who have had or are taking S209 and will be opened to qualified Seniors.)

RELIGION

S51. The History of the Hebrew People.—A study of the Hebrew people that gives attention to their political history, their religious and social institutions, their literary development, with special reference to their contributions to civilization. *A, C, May 21-June 10.* 3 s.h. (w)
MR. MYERS

S52. New Testament Life and Literature.—A study of the literature of the New Testament, its historical background, and its religious value. *A, C, June 11-July 1.* 3 s.h. (w)
MR. MYERS

S167. Contemporary Religious Problems.—A course that deals with the main interests of life from the standpoint of their social and religious significance. *B, I.* 3 s.h.
MR. SPENCE

S285. The Religions of the Far East.—A study of the religious systems of China, Korea, and Japan. *B, I.* 3 s.h.
MR. CANNON

S292. Christian Ethics II.—A critical consideration of selected contemporary social problems from the viewpoint of the Christian ethics. *A, I.* 3 s.h.
MR. H. S. SMITH

S309. History of the Ancient Near East.—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in the light of Biblical archaeology. *B, II.* 3 s.h.
MR. STINESPRING

S310. Old Testament Prophecy.—A study of the social teachings of the Old Testament with special reference to the prophets of the eighth century B.C. *C, II.* 3 s.h.
MR. STINESPRING

S394. Religious Thought in Modern America.—A survey of the major movements in American religious and ethical thought since 1850, with special attention to liberal Protestantism. *C, I.* 3 s.h.
MR. H. S. SMITH

SOCIOLOGY

Attention is called to the fact that Sociology S101 is a prerequisite to all other courses in the Department.

S101. General Sociology.—An introduction to the scientific study of social life; its origin, evolution, and organization as illustrated by the study of a number of concrete social problems. This course is prerequisite to all other courses in sociology. *A, C, May 21-June 10.* 3 s.h.
MR. THOMPSON

S109. Sociology of the South.—The developing regional organization of the world economy studied with especial reference to Southern life and problems. A survey of the composition and distribution of population, races and race relations; economic conditions underlying population, race factors, and culture of the South. Primary emphasis is upon social change and its control. *B, C, June 11-July 1. 3 s.h.* MR. THOMPSON

[Not offered if greater demand for S220.]

S206. Criminology.—A study of the original tendencies of man and the problem of socializing these tendencies; the relation of physical and mental defectiveness and untoward influence in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. *B, I. 3 s.h.* MR. JENSEN

S212. Child Welfare.—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, and compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. *A, I. 3 s.h.* MR. JENSEN

S220. Rural Sociology.—A study of the societies developed by people who settle the land and exploit it for a livelihood. The institutions peculiarly rural are the farm family, the peasant village, the ranch, and the plantation. In this course, special attention is given to the plantation and the rural problems of the South. *C, I. 3 s.h.* MR. THOMPSON

(Not offered if there is greater demand for course S109.)

S234. Social Ethics.—An attempt to develop answers to such questions as: How can potential leaders discover and acquire the skills required for rendering their fullest service to their fellow men—particularly capacities for creative co-operation and insight? On what intellectually and scientifically sound basis can one formulate the fundamental policies of one's life? On what ultimate criteria are social policies to be based? *B, C, II (first three weeks). 3 s.h.* MR. HART

SPANISH

All Spanish courses, whether undergraduate or graduate, will be conducted in the "School of Spanish Studies" centered on the East Campus. Dormitory and boarding arrangements should be made with this in mind.

S1. Introductory Spanish.—Pronunciation; essentials of grammar; early reading of simple prose; dictation; emphasis on attainment of reading ability accompanied by constant use of the language as a means of instruction; abundant oral work to give the student a basic understanding of the spoken language. *A, C, I (first three weeks). 3 s.h.* MISS CARTER

(If the demand justifies a second section will be offered that will emphasize training in reading somewhat more and oral work somewhat less.)

S2. Introductory Spanish.—Continuation of course S1. *A, C, I (second three weeks). 3 s.h.* MISS CARTER

S3. Intermediate Spanish.—Systematic review of verbs, drill on idioms of high frequency, review of special grammatical difficulties; reading of graduated selections from modern prose authors; dictation and oral work. *A, I. 3 s.h.* MR. DAVIS

S4. Intermediate Spanish.—Rapid reading and study of modern prose works, with emphasis on achievement of ability to read without translation. *C, I. 3 s.h.* MR. DAVIS

S65. Introduction to Modern Spanish Literature.—Study of representative masterpieces of nineteenth-century novel and drama; lectures; collateral reference readings and reports on literary backgrounds. One standard-length novel will be read outside of class. *A, I. 3 s.h.* MR. CASTELLANO

S68. Introduction to Spanish-American Literature.—Study of typical works in the field of the novel and lyric, chiefly of the modern period; lectures on literary, social, and cultural backgrounds and tendencies; collateral readings and reports. This course is offered as an alternate to Spanish 66 (Introduction to Classical Spanish Literature) and will be accepted in fulfillment of major and graduation requirements. *C, I. 3 s.h.* MR. BROWN

S175. War Spanish.—Training in active and practical use of the language; summary review of basic grammatical and syntactical difficulties; study of epistolary usage and forms; patterns and formulae of military communiques and official reports with abundant readings from current illustrative materials in journalistic accounts; basic patterns and terminology of Spanish radio broadcasts, etc. Prerequisite, if taken for credit: three years of college Spanish. *B, I. 3 s.h. (Materials fee, \$3.00.)* MR. BROWN

(This course is designed especially to furnish training for war work or for government service in such agencies as the bureau of censorship or cryptography.)

S253. Spanish Phonetics.—Structure of the vocal apparatus; the sounds of the Spanish language; sound changes; intonation patterns; regional variations; daily exercises in phonetic transcription, with oral drill and corrective exercises. Special attention to analysis and correction of typical phonetic mistakes and pitfalls common among teachers whose basic training has been in other languages but who are now teaching Spanish. Each student will make a recording of a test passage during the first week and repeat the recording at conclusion of course. This record (cost, about one dollar) becomes the student's property. *B, I. 3 s.h.* MR. LUNDEBERG

S260. Materials for Teaching Spanish.—Survey of methods and materials; analysis of texts, examinations, realia, etc.; systematic review and drill on common syntactical difficulties through composition work; the place of Spanish in the curriculum. *B, I. 3 s.h.* MR. CASTELLANO

S275. La vida de Hispanoamérica en su literatura.—Introducción al estudio de las manifestaciones literarias de la vida del hispanoamericano en la novela, el cuento y el ensayo. Conferencias sobre las corrientes que han regido la evolución de la prosa, los tipos humanos que ha idealizado, y los movimientos políticos, sociales, y de incitación espiritual en que se ha inspirado la labor artística del escritor; atención especial a la personalidad de Sarmiento y de Rodó. Análisis de lecturas suplementarias y reseñas. *A, I. 3 s.h.* MR. ARCE

S370. Thesis Seminar.—Hours and credits to be arranged.

MR. LUNDEBERG, MR. ARCE

S375. Literatura española contemporánea.—Poetas, novelistas y ensayistas de la generación de 1898. Se hará hincapié en el análisis de la obra de Antonio Machado, Juan Ramón Jiménez; Pérez de Ayala, Azorín; Unamuno, Ortega y Gasset. Conferencias y discusiones; lecturas y comentarios de obras principales con reseñas. *C, I. 3 s.h.* MR. SERÍS

ZOOLOGY

For admission to candidacy for a Master's degree in Zoology, students should have completed an undergraduate major in Zoology (courses in General Science and Botany are not counted as a part of a Zoology major). This

normally amounts to about twenty-four semester hours, which should be distributed among the various fields of Zoology, and must include Vertebrate Zoology or Comparative Anatomy, Physiology, and Embryology, passed with creditable grades. A candidate should also have completed at least one year of Chemistry. Work for the degree will require eighteen hours in advanced courses in Zoology, and six hours in another department for a minor, in addition to a thesis. Before registration for a degree, students should confer with Dr. George T. Hargitt, Director of Graduate Studies for the Department. Students not candidates for a degree may take courses offered, if they have necessary prerequisites; but may not count them toward a degree until an undergraduate major has been completed.

S1. General Zoology.—A brief survey of the animal kingdom. *Lectures, quizzes, and laboratory, six hours daily, II (July 20-August 11.) 4 s.h. (Laboratory fee, \$3.00.)* Mr. BOOKHOUT AND ASSISTANTS

S2. Animal Biology.—A study of the principles of biology as applied to animals. *Lectures, quizzes, and laboratory, six hours daily, May 21-June 15; II (August 12-September 4). 4 s.h. (w, I) (Laboratory fee, \$3.00.)*

Mr. GRAY AND ASSISTANTS (*first term*)

Mr. BOOKHOUT AND ASSISTANTS (*second term*)

S53. Comparative Vertebrate Anatomy.—A study of anatomy and evolution of the organ systems of vertebrates. *Lectures and quiz daily, A; laboratory daily, B, C, II (July 20-August 7). 3 s.h. (w) (Laboratory fee, \$5.00.)*

Mr. GRAY

S92. General Embryology.—A study of the fundamental principles of embryology as illustrated in the frog, chick, and mammal. Prerequisite: Zoology S53. *Lecture and quiz daily, A; laboratory daily, B, C, II (August 10-August 28). 3 s.h. (w) (Laboratory fee, \$3.00.)*

Mr. JOHNSON

S229. Endocrinology.—The structure, physiology, and embryology of the endocrine glands. Prerequisites: Zoology S53 and S92. *Lectures, reading assignments, reports, and laboratory work, II. 6 s.h. (w) (Laboratory fee, \$5.00.)*

Mr. CUNNINGHAM

S251. General Physiology.—A comparative study of functions in all animal groups, especially of vertebrates. *Lecture, laboratory, and conference daily, schedule to be arranged, I. 6 s.h. (w) (Laboratory fee, \$6.00.)*

Mr. McCUTCHEON

S353. Research.—Students with sufficient preparation may carry on investigations under direction in the following fields:

(a) Physiology. I.

Mr. McCUTCHEON

(b) Embryology and Endocrinology. I, II.

Mr. CUNNINGHAM

(Hours and credit to be arranged. Not more than one semester hour of credit per week full-time schedule, or one semester hour each two weeks for half-time schedule. Laboratory fee, \$1.00 for each hour of credit; minimum fee, \$2.00.)

Specimen Application Blank

RECTOR OF THE SUMMER SESSION, DUKE STATION
DURHAM, NORTH CAROLINA

Date.....

Dear Sir:

Please make temporary reservation for me in the following courses described in your Summer Session Announcement:

(Signed, full name)

Mr., Mrs., Miss.....

Street.....

Post Office Address.....

Be careful to give the following information:

Are you a teacher in the public schools?..... Total number years

teaching experience..... Name and address of the school in which

you are teaching.....

What teacher's certificate do you hold?.....

State?..... Serial number?..... Year of expiration.....

Name of high school from which you were graduated.....

Year.....

College training completed:

(Please check proper amount in years): One (), Two (), Three (), Four ().

Name of last college attended..... Date.....

Graduate work (please check in years): One (), Two (), Three ().

What graduate work in..... college or university.

College degrees held, if any, (please check): () A.B., () B.S., () A.M.,

() M.Ed., () M.S.

Are you at present a college student, where?.....

What class?..... How many years of graduate work, if any, have

you completed?..... In what department(s)?.....

Do you wish room reserved?..... Alone?

First term?..... Second?..... Name and address of

roommate preferred.....

Do you wish graduate dormitory?..... Undergraduate?.....

N.B. Graduate dormitories are not open to undergraduates under thirty years of age. Room

reservations of graduate students are tentative until the student has been accepted by the

Graduate School. Students who wish a room reserved for the first term will remit full amount

room-rent; other students simply indicate whether they desire room in graduate or under-

graduate dormitory. *The Summer Session reserves the right to cancel room reservation or*

reimbursement for courses without assignment of reason.

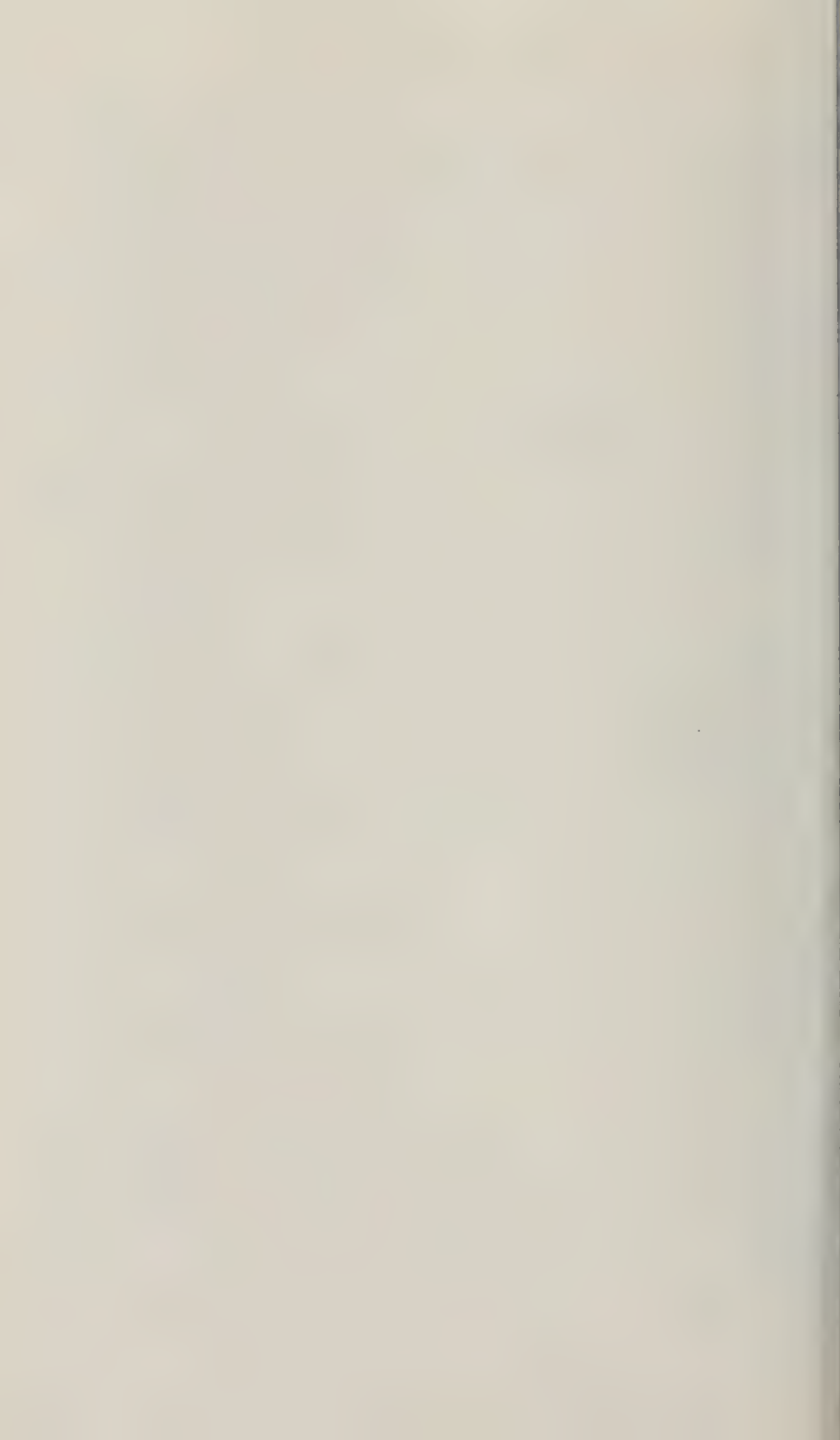
Note: Students who do not wish to submit transcripts of their previous college record,

and those desiring to transfer their summer session credits to some other institution, should

indicate the following:

Do you wish blank for statement from your college certifying your present class standing

requesting transfer of your summer session record?.....



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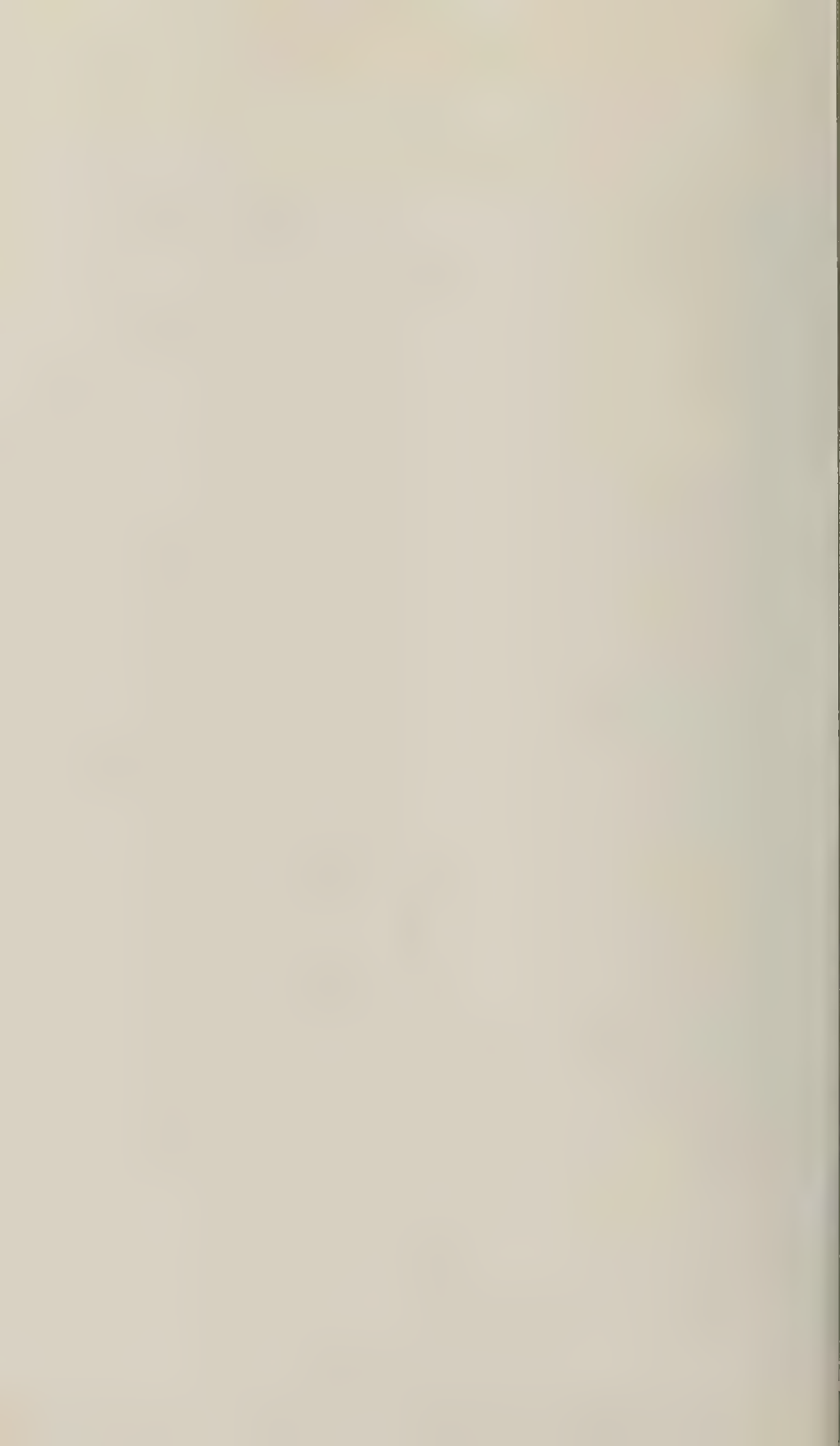
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VOLUME 15

April, 1943

NUMBER 6

BULLETIN OF DUKE UNIVERSITY

Undergraduate Instruction

(Trinity College, the Woman's College, and the
College of Engineering)



1942-1943

ANNOUNCEMENTS FOR 1943-1944

PUBLISHED BY THE UNIVERSITY
DURHAM, NORTH CAROLINA

ANNUAL BULLETINS

For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES, apply to *The Dean of the Graduate School*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF LAW, apply to *The Dean of the School of Law*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF MEDICINE, apply to *The Dean of the School of Medicine*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF NURSING, apply to *The Dean of the School of Nursing*, Duke University, Durham, N. C.

For BULLETIN OF THE DIVINITY SCHOOL, apply to *The Dean of the Divinity School*, Duke University, Durham, N. C.

For BULLETIN OF THE SCHOOL OF FORESTRY, apply to *The Dean of the School of Forestry*, Duke University, Durham, N. C.

For BULLETIN OF THE COLLEGE OF ENGINEERING, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE SUMMER SESSION, apply to *The Director of the Summer Session*, Duke University, Durham, N. C.

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BULLETIN
OF
DUKE UNIVERSITY



UNDERGRADUATE INSTRUCTION
(Trinity College, the Woman's College, and the
College of Engineering)

1942-1943

ANNOUNCEMENTS FOR 1943-1944

DURHAM, NORTH CAROLINA
1943



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COLLEGE CALENDAR

ANNOUNCEMENT

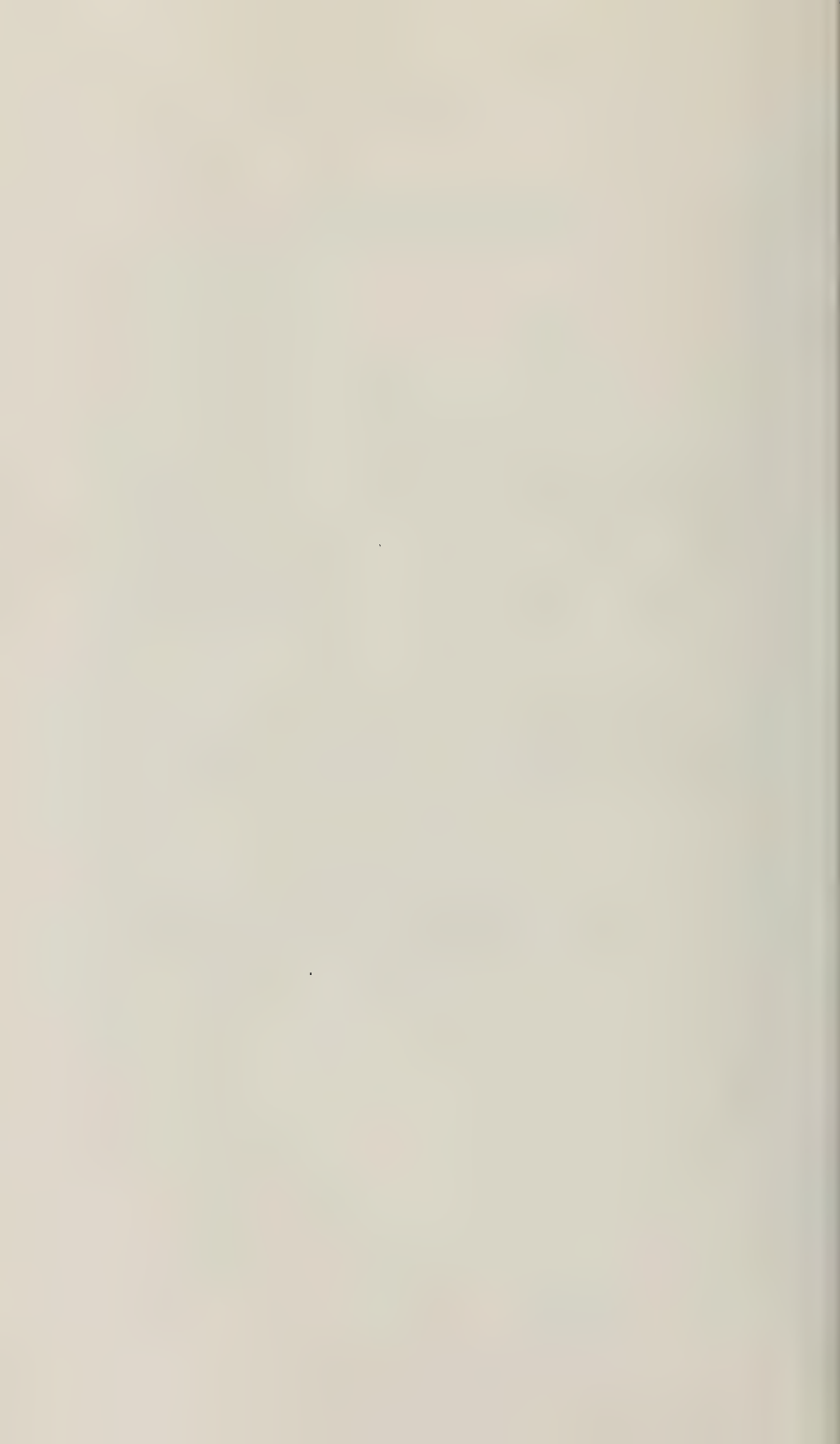
Duke University is under agreement with the United States Navy to provide accommodation and instruction for Navy enrollees under the announced V-12 program for college students. This work will begin July 1, 1943, and will be done in three semesters of four months each year. It has become necessary therefore to adjust the calendar of Trinity College (the undergraduate college for men) and the College of Engineering to conform to the Navy V-12 program, and all undergraduate work in these two colleges will begin on July 1, instead of the old fixed dates.

It will be possible for acceptable civilian students to enter these colleges at the beginning of any semester, July 1, November 1, and March 1.

The Woman's College will open on Wednesday, September 15.

The Summer Session of the University will be held as heretofore. Full information regarding it has been announced and may be had from The Director, The Summer Session, Duke University.

Some changes in the University's program to conform to the Navy training schedule have been made since the bulletin went to press. Consequently, some courses listed in this bulletin under "Courses of Instruction" will not be offered in 1943-1944. A later bulletin will reflect all of the changes made and any effect such changes may have upon courses offered.



1943

JANUARY	APRIL	JULY	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
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FEBRUARY	MAY	AUGUST	NOVEMBER
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MARCH	JUNE	SEPTEMBER	DECEMBER
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1944

JANUARY	APRIL	JULY	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
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FEBRUARY	MAY	AUGUST	NOVEMBER
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MARCH	JUNE	SEPTEMBER	DECEMBER
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GOVERNING BODIES AND OFFICERS

EXECUTIVE COMMITTEE OF THE UNIVERSITY

(Consisting of three members from the University Trustees, three from the Endowment Trustees, and the President of the University.)

	Year of Election		
J. F. BRUTON, Chairman.....	1918.....	Wilson,	N. C.
G. G. ALLEN.....	1923.....	New York,	N. Y.
M. E. NEWSOM.....	1917.....	Durham,	N. C.
W. N. REYNOLDS.....	1933.....	Winston-Salem,	N. C.
J. H. SEPAK.....	1929.....	Gastonia,	N. C.
W. R. PERKINS.....	1937.....	New York,	N. Y.
R. L. FLOWERS.....	1923.....	Durham,	N. C.

UNIVERSITY TRUSTEES

Term Expires December 31, 1943

G. G. ALLEN.....	1923.....	New York,	N. Y.
J. H. BARNHARDT.....	1918.....	Shelby,	N. C.
JAMES A. BELL, Vice-Chairman.....	1920.....	Charlotte,	N. C.
R. G. CHERRY.....	1934.....	Gastonia,	N. C.
R. L. FLOWERS.....	1927.....	Durham,	N. C.
J. P. FRIZZELLE.....	1937.....	Snow Hill,	N. C.
THOMAS M. GRANT.....	1933.....	Rocky Mount,	N. C.
J. R. SMITH.....	1934.....	Mount Airy,	N. C.

FROM THE ALUMNI

B. F. FEW.....	1941.....	New York,	N. Y.
C. F. LAMBETH.....	1915.....	Thomasville,	N. C.
H. B. PORTER.....	1941.....	Wilson,	N. C.
C. K. PROCTOR.....	1935.....	Oxford,	N. C.

Term Expires December 31, 1945

E. S. BOWLING.....	1939.....	New York,	N. Y.
B. C. NALLE.....	1941.....	Charlotte,	N. C.
M. E. NEWSOM.....	1917.....	Durham,	N. C.
W. W. PEELE.....	1921.....	Richmond,	Va.
W. R. PERKINS.....	1924.....	New York,	N. Y.
*D. C. ROPER.....	1929.....	Washington,	D. C.
B. S. WOMBLE.....	1915.....	Winston-Salem,	N. C.

FROM THE ALUMNI

	Year of Election		
H. R. DWIRE, Ass't. Rec. Secretary.....	1931.....	Durham,	N. C.
N. E. EDGERTON.....	1941.....	Raleigh,	N. C.
R. A. MAYER.....	1897.....	Charlotte,	N. C.
W. A. STANBURY.....	1933.....	Winston-Salem,	N. C.

* Died, April 11, 1943.

Term Expires December 31, 1947

J. F. BRUTON, Chairman.....	1900.....	Wilson,	N. C.
JAMES B. CRAVEN.....	1941.....	Greensboro,	N. C.
D. S. ELIAS.....	1929.....	Asheville,	N. C.
P. H. HANES.....	1912.....	Winston-Salem,	N. C.
J. L. HORNE, JR.....	1934.....	Rocky Mount,	N. C.
S. B. TURRENTINE.....	1893.....	Greensboro,	N. C.
EARLE W. WEBB.....	1933.....	New York,	N. Y.

FROM THE ALUMNI

S. S. ALDERMAN.....	1934.....	Washington,	D. C.
W. N. REYNOLDS.....	1927.....	Winston-Salem,	N. C.
J. H. SEPARK.....	1916.....	Gastonia,	N. C.
WILLIS SMITH.....	1929.....	Raleigh,	N. C.

ENDOWMENT TRUSTEES

G. G. ALLEN, Chairman.....	1924.....	New York,	N. Y.
W. R. PERKINS, Vice-Chairman.....	1924.....	New York,	N. Y.
N. A. COCKE, Vice-Chairman.....	1924.....	Charlotte,	N. C.
A. H. SANDS, JR., Secretary.....	1924.....	New York,	N. Y.
E. C. MARSHALL, Assistant Secretary.....	1924.....	Charlotte,	N. C.
W. C. PARKER, Treasurer.....	1924.....	New York,	N. Y.
W. B. BELL.....	1924.....	New York,	N. Y.
C. I. BURKHOLDER.....	1924.....	Charlotte,	N. C.
MRS. DORIS DUKE CROMWELL.....	1933.....	New York,	N. Y.
MRS. J. B. DUKE.....	1924.....	New York,	N. Y.
R. L. FLOWERS.....	1926.....	Durham,	N. C.
B. E. GEER.....	1924.....	Greenville,	S. C.
W. S. RANKIN.....	1925.....	Charlotte,	N. C.
W. N. REYNOLDS.....	1931.....	Winston-Salem,	N. C.
W. S. O'B. ROBINSON, JR.....	1932.....	Charlotte,	N. C.

COMMITTEES OF THE UNIVERSITY TRUSTEES

Buildings and Grounds: J. R. SMITH, CHERRY, BARNHARDT.

Business Administration of the University: HANES, ELIAS, BOWLING.

Colleges: ALDERMAN, ROPER,* HORNE.

Divinity School: PEELE, GRANT, PORTER, EDGERTON.

School of Forestry: DWIRE, NEWSOM, FEW.

Graduate School: WEBB, TURRENTINE, FLOWERS, CRAVEN.

Law School: WILLIS SMITH, WOMBLE, BELL, FRIZZELLE.

Library: STANBURY, HANES, LAMBETH.

Medical School and Hospital: MAYER, PROCTOR, NALLE.

Physical Education and Intercollegiate Athletics: SEPARK, J. R. SMITH, PROCTOR.

* Died, April 11, 1943.

OFFICERS OF ADMINISTRATION

GENERAL ADMINISTRATION

FLOWERS, ROBERT LEE, A.M., LL.D. <i>President of the University</i>	West Campus
WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D. <i>Vice-President and Dean of the University</i>	West Campus
DWIRE, HENRY RUDOLPH, A.B., A.M. <i>Vice-President and Director of Public Relations and Alumni Affairs</i>	403 West Chapel Hill Street
BROWN, FRANK CLYDE, AB., A.M., Ph.D. <i>Comptroller</i>	410 Buchanan Road
BROWER, ALFRED SMITH, A.B. <i>Administrative Assistant</i>	518 Morehead Avenue

BUSINESS ADMINISTRATION

MARKHAM, CHARLES BLACKWELL, A.B., A.M. <i>Treasurer of the University</i>	204 Dillard Street
JORDAN, CHARLES EDWARD, A.B. <i>Secretary of the University</i>	813 Vickers Avenue
HENRICKSEN, GERHARD CHESTER, A.B., A.M., C.P.A. <i>Assistant Treasurer</i>	216 Forest Wood Drive, Forest Hills
WEATHERSPOON, EVERETT BROADUS, A.B. <i>Assistant Secretary</i>	125 Pinecrest Road
TYREE, WILLIAM ALLEN, A.B. <i>Director in the Business Division</i>	610 Buchanan Road
WHITFORD, WILLIAM EDWARD, A.B. <i>Director in the Business Division</i>	804 Third Street
THOMPSON, JAMES EDWARD <i>Manager, the Duke University Dining Halls</i>	504 East Forest Hills Boulevard
*SAWYER, OTIS, A.B. <i>Purchasing Agent, Duke University</i>	2010 Club Boulevard
MOORE, JOHN MEREDITH, A.B. <i>Manager, the Duke University Stores</i>	Prince Street
†UPCHURCH, WALTER MCGOWAN, JR., A.B., LL.B. <i>Financial Adviser, Student Activities</i>	Johnson Apartments
BOY, CARL A. <i>Superintendent of Maintenance, West Campus</i>	2214 Erwin Road

* On active duty, U. S. Army.

† On leave, War Industry Service.

GIFT, JOHN C.

Superintendent of Maintenance, East Campus

811 Fifth Street

PUBLIC RELATIONS AND ALUMNI AFFAIRS

DWIRE, HENRY RUDOLPH, A.B., A.M.

403 West Chapel Hill Street

Director of Public Relations and Alumni Affairs

DUKES, CHARLES AUBREY, A.B.

Assistant Director

1309 Oakland Avenue

GARRARD, ANNE, A.B., A.M.

Assistant Director, Alumni Affairs

1023 Gloria Avenue

JACKSON, DAVID KELLY, A.B., A.M.

Assistant Editor, Duke University Press

626 Swift Avenue

*MANN, GLENN EDWARD, A.B.

Manager, Athletics Division, the News Service

2114 Wilson Street

†UPCHURCH, WALTER MCGOWAN, JR., A.B., LL.B.

Director, Appointments Office

Johnson Apartments

WILKINSON, ALBERT ALEXANDER, A.B.

Director, the News Service

1113 Alabama Avenue

EDUCATIONAL ADMINISTRATION

WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D.

Dean of the University

West Campus

UNDERGRADUATE COLLEGES

HERRING, HERBERT JAMES, A.B., A.M.

Dean of Trinity College

Myrtle Drive, West Campus

BALDWIN, ALICE MARY, A.B., A.M., Ph.D.

Dean of the Woman's College

East Campus

HALL, WILLIAM HOLLAND, A.B., A.M., B.C.E., M.S.C.E.

Dean of the College of Engineering

922 Urban Avenue

‡GREENE, WALTER KIRKLAND, A.B., A.M., Ph.D.

Dean of Undergraduate Instruction

Myrtle Drive, West Campus

MANCHESTER, ALAN KREBS, A.B., A.M., Ph.D.

Dean of Freshmen, Trinity College

Myrtle Drive, West Campus

SMITH, MRS. RUTH SLACK, A.B., A.M.

Associate Dean of Undergraduate Instruction, Woman's College

Faculty Apartments, East Campus

PERSONS, MRS. ELIZABETH ANDERSON, A.B., A.M.

Dean of Freshmen, the Woman's College

612 Swift Avenue

Secretary of the Committee on Admissions of the Woman's College

||CLEAVELAND, FREDERIC NEILL, A.B., A.M.

Assistant Dean of Men

East Campus

* On active duty, U. S. Navy.

† On leave, War Industry Service.

‡ Resigned, June 30, 1942.

|| Absent on leave, American Red Cross Service, 1942-1943.

WATSON, KARL BRANTLEY, A.B., B.S., M.A., Ph.D.
Counselor in Testing and Guidance 1102 Virginia Avenue

GRADUATE AND PROFESSIONAL SCHOOLS

*HOOVER, CALVIN BRYCE, A.B., Ph.D., Litt.D. 1702 Duke University Road
Dean of the Graduate School of Arts and Sciences

*DELAFLANE, WALTER HAROLD, A.B., A.M., Ph.D.
Assistant to the Dean of the Graduate School 214 Swift Avenue

ROBERT, JOSEPH CLARKE, A.B., A.M., Ph.D. 1102 B Street
Acting Assistant to the Dean of the Graduate School

GARBER, PAUL NEFF, A.B., A.M., Ph.D.
Dean of the Divinity School Myrtle Drive, West Campus

RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D.
Dean Emeritus of the Divinity School 804 Fourth Street

HORACK, HUGO CLAUDE, Ph.B., LL.B., LL.D.
Dean of the School of Law Myrtle Drive, West Campus

DAVISON, WILBURT CORNELL, A.B., B.A., B.Sc., A.M., D.Sc., M.D.
Dean of the School of Medicine Hope Valley

PINKERTON, MARGARET ISABEL, R.N., B.S.
Dean of the School of Nursing Nurses Home

||BAKER, BESSIE, R.N., B.S.
Dean Emeritus of the School of Nursing Baltimore, Md.

†KORSTIAN, CLARENCE FERDINAND, B.S.F., M.F., M.A., Ph.D.
Dean of the School of Forestry 1718 Duke University Road

HOLTON, HOLLAND, A.B., J.D.
Director of the Summer Session 809 Watts Street

COLEMAN, MARGARET, A.B., A.M.
Recorder, Trinity College 918 Urban Avenue

KENDALL, HELEN MILDRED, A.B.
Registrar, School of Law 8 Aycock Apartments

SEABOLT, LOUISE, A.B., A.M.
Recorder, Woman's College Faculty Apartments

INSTRUCTIONAL STAFF

This alphabetical list includes all members of the various faculties of the University. The date denotes the first year of service.

ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D.
Associate Professor of Psychology Cornwallis Road

ADDOMS, RUTH MARGERY, (1930) B.A., M.A., Ph.D.
Associate Professor of Botany 1003 Lamond Avenue

‡ADKINS, TROGLER FRANCIS, (1937) M.D.
Instructor in Obstetrics and Gynecology Aycock Apartments

* Absent on leave, Government Service.

|| Died, June 25, 1942.

† Absent on sabbatical leave, first semester, 1942-1943.

‡ On active duty, U. S. Army.

- *ALEXANDER, LEO, (1941) A.B., M.D.
Associate Professor of Neuropsychiatry 2122 Myrtle Drive
- ‡ALLEN, DON CAMERON, (1938) A.B., Ph.D.
Associate Professor of English 701 Club Boulevard
- ALTVATER, F. VERNON, (1930) A.B., A.M.
Associate in Hospital Administration Route 2, Hillsboro, N. C.
- ALVEA, EDWIN PASCAL, (1930) S.B., M.D.
Clinical Professor of Urology Hope Valley
- ||ANDERSON, LEWIS EDWARD, (1936) B.S., A.M., Ph.D.
Assistant Professor of Botany 305 Frances Street
- ANDERSON, GEORGE KING, (1942) A.B., M.D.
Associate in Pediatrics Duke Hospital
- ANDERSON, WILLIAM BANKS, (1930) A.B., M.D. 503 E. Forest Hills Blvd.
Associate Professor of Surgery in Charge of Ophthalmology
- ARENA, JAY MORRIS, (1933) B.S., M.D.
Assistant Professor of Pediatrics 2032 Club Boulevard
- *ARNOLD, RALPH A., (1936) B.A., M.D.
Instructor in Otolaryngology and Ophthalmology University Apartments
- ATKINSON, MARGARET CLAFLIN, MRS., (1942) A.B.
Instructor in Physical Education and Recreation 1006 Demerius Street
- ATWOOD, THEODORE W., (1934) A.B., D.M.D.
Associate in Dentistry Allenton Apartments
- AYCOCK, THOMAS MALCOLM, (1937) B.S., M.S.
Assistant Professor of Physical Education 1404 Alabama Avenue
- †BAKER, BESSIE, (1930) R.N., B.S.
Dean of the School of Nursing and Professor of Nursing Education, Emeritus Baltimore, Md.
- BAKER, LENOX DIAL, (1937) M.D.
Associate Professor of Surgery in charge of Orthopaedics Hope Valley
- BAKER, ROGER DENIO, (1930) A.B., M.D.
Associate Professor of Pathology 1111 Watts Street
- BALDWIN, ALICE MARY, (1923) A.B., A.M., Ph.D.
Professor of History and Dean of the Woman's College East Campus
- BARKER, RUTH ELIZABETH, (1940) A.B., M.S.
Instructor in Medical Social Service 1507 W. Pettigrew Street
- BAUM, PAULL FRANKLIN, (1922) A.B., A.M., Ph.D.
Professor of English 112 Pinecrest Road
- BAYLIN, GEORGE JAY, (1939) A.B., M.D.
Associate in Radiology 2260 Cranford Road
- BEAL, JAMES ALLEN, (1939) B.S., M.S., Ph.D.
Professor of Forest Entomology 2232 Cranford Road
- BEARD, JOSEPH W., (1937) B.S., M.D. Hillsboro, N. C.
Associate Professor of Surgery in charge of Experimental Surgery

* On active duty, U. S. Army.

‡ Resigned, June 30, 1942.

|| On active duty, U. S. Navy.

† Died, June 25, 1942.

- BERNHEIM, FREDERICK, (1930) A.B., Ph.D. Woodridge Drive, Rockwood
Associate Professor of Physiology and Pharmacology
- BERNHEIM, MARY LILIAS CHRISTIAN, MRS., (1930) B.A., M.A., Ph.D.
Assistant Professor of Biochemistry Woodridge Drive, Rockwood
- BERRY, EDWARD WILLARD, (1936) A.B., Ph.D.
Associate Professor of Geology 1003 N. Gregson Street
- *BERRY, THOMAS SENIOR, (1935) S.B., M.A., Ph.D.
Instructor in Economics 100 Vineyard Street
- BEVINGTON, MERLE MOWBRAY, (1942) A.B., M.A., Ph.D.
Assistant Professor of English 2608 Nation Avenue
- BIGELOW, LUCIUS AURELIUS, (1929) S.B., Ph.D.
Professor of Chemistry 131 Pinecrest Road
- BILLIG, OTTO, (1941) M.D.
Associate in Neuropsychiatry Duke Hospital
- BIRD, HAROLD CRUSIUS, (1926) Ph.B., C.E.
Professor of Civil Engineering 1209 Virginia Avenue
- *BLACK, MARTIN LEE, JR., (1930) A.B., M.B.A., C.P.A.
Associate Professor of Accounting 135 Pinecrest Road
- BLACKBURN, WILLIAM MAXWELL, (1926) A.B., B.A., M.A.
Associate Professor of English 715 Anderson Street
- BLANCO, IGNACIO MATTE, (1941) B.Hum., M.B., M.D.
Lecturer in Psychiatry Duke Hospital
- BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D.
Professor of Botany 922 Demerius Street
- BLUM, JAY, (1942) A.B., M.A., Ph.D.
Visiting Assistant Professor of Economics Pickett Road
- *BOAS, RALPH PHILIP, JR., (1939) A.B., Ph.D.
Instructor in Mathematics 2707 Legion Avenue
- BOLICH, WILLIAM BRYAN, (1927) A.B., B.A. (Juris.), M.A., B.C.L.
Professor of Law Hope Valley
- BONNER, LYMAN GAYLORD, (1937) A.B., Ph.D.
Assistant Professor of Physics 2708 Nation Avenue
- BOOKHOUT, CAZLYN GREEN, (1935) A.B., A.M., Ph.D.
Assistant Professor of Zoology 1307 Alabama Avenue
- BOOKHOUT, ELIZABETH CIRCLE, MRS., (1932) A.B., M.S.
Instructor in Physical Education 1307 Alabama Avenue
- BOUTON, MARGARET, (1942) A.B., A.M.
Instructor in Fine Arts 208 Watts Street
- BRADSHAW, CHARLES KILGO, (1939) A.B., M.A., Ph.D.
Instructor in Chemistry 2302 Elder Street
- BRADWAY, JOHN SAEGER, (1931) A.B., A.M., LL.B.
Professor of Law 2621 Stuart Drive
- BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D., Litt.D.
Professor of New Testament Language and Literature
 Chelsea Circle, Hope Valley
- BREWSTER, LAWRENCE FAY, (1942) A.B., A.M., Ph.D.
Instructor in History Duke University

* Absent on leave, Government Service.

- BRICE, ASHBEL GREEN, (1939) A.B., A.M.
Instructor in English 814 Sixth Street
- BRIDGERS, FURMAN ANDERSON, (1926) A.B., A.M.
Assistant Professor of Romance Languages 1325 Arnette Avenue
- BROADHEAD, EDWARD HALL, (1933) A.B., A.M., M.M.
Instructor in Music 1015 Dacian Avenue
- BROWN, FRANCES, (1931) A.B., Ph.D.
Assistant Professor of Chemistry 205 Jones Street
- *BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D.
Professor of English 410 Buchanan Road
- BROWN, HAROLD WILLIAM, (1938) A.B., M.S., Sc.D., Dr.P.H., M.D.
Professor of Preventive Medicine and Public Health Chapel Hill, N. C.
- BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D., LL.D.
Professor of Educational Psychology Hope Valley
- BRUINSMA, HENRY A., (1938) B.M., M.M.
Assistant Professor of Music Devon Road, Hope Valley
- BRYSON, THADDEUS DILLARD, (1928) LL.D.
Professor of Law Hope Valley
- CALLAWAY, JASPER LAMAR, (1937) B.S., M.D.
Assistant Professor of Medicine, in charge of Dermatology and Syphilology 828 Anderson Street
- CAMERON, EDMUND McCULLOUGH, (1926) A.B.
Acting Director of Physical Education, Trinity College Hope Valley
- CANNON, JAMES, III, (1919) A.B., A.M., Th.B., Th.M., D.D.
Ivey Professor of History of Religion and Missions 619 Morehead Avenue
- CARLITZ, LEONARD, (1932) A.B., A.M., Ph.D.
Associate Professor of Mathematics 2303 Cranford Road
- CARPENTER, DAVID WILLIAMS, (1929) A.B., A.M., Ph.D.
Assistant Professor of Physics 137 Pinecrest Road
- CARR, JOHN WINDER, JR., (1926) A.B., A.M., Ph.D.
Professor of Education 926 Monmouth Avenue
- ||CARROLL, EBER MALCOLM, (1923) A.B., A.M., Ph.D.
Professor of History University Apartments
- CARROLL, ROBERT SPROUL, (1941) M.D.
Lecturer in Neuropsychiatry Asheville, N. C.
- CARTER, BAYARD, (1931) A.B., B.A., M.A., M.D.
Professor of Obstetrics and Gynecology Myrtle Drive, West Campus
- CARTER, MARJORIE, (1941) A.B.
Instructor in Spanish 801 Third Street
- †CAVERS, DAVID FARQUHAR, (1931) B.S., LL.B.
Professor of Law Sylvan Road
- CAYER, DAVID, (1939) B.A., M.D.
Instructor in Medicine Duke Hospital
- †CHAPMAN, ROBERT G., (1936) B.S. in M.E., M.M.E.
Assistant Professor of Mechanical Engineering 1007 Lakewood Avenue

* Absent on sabbatical leave, second semester, 1942-1943

|| Absent on leave, Government Service, 1942-1943.

† Absent on leave, Government Service.

† Resigned, June 30, 1942.

- CHILDS, BENJAMIN GUY, (1924) B.A., M.A.
Professor of Education 1019 West Markham Avenue
- CLARK, ELON HENRY, (1934)
Instructor in Art and Photography as Applied to Medicine 2802 Legion Avenue
- CLARK, KENNETH WILLIS, (1931) A.B., B.D., Ph.D. 1308 Markham Avenue
Associate Professor of New Testament Language and Literature
- CLAY, ALFRED THOMAS, (1941) B.S., A.M., Captain, U. S. Navy, Retired
Professor of Naval Science and Tactics 912 Shepherd Street
- CLYDE, PAUL HIBBERT, (1937) A.B., A.M., Ph.D.
Professor of History Faculty Apartments
- ‡COILE, THEODORE STANLEY, (1935) B.S.F., M.F., Ph.D.
Associate Professor of Forest Soils Duke University
- ‡COLE, ROBERT TAYLOR, (1935) A.B., A.M., Ph.D.
Associate Professor of Political Science 7 Sylvan Road
- CONANT, NORMAN FRANCIS, (1935) B.S., A.M., Ph.D.
Assistant Professor of Bacteriology and Mycology Tuscaloosa Forest
- CONSTANT, FRANK WOODBRIDGE, (1930) B.S., Ph.D.
Associate Professor of Physics 2701 Legion Avenue
- COOLIDGE, THOMAS BUCKINGHAM, (1935) B.A., Ph.D., M.D.
Assistant Professor of Biochemistry 312 Buchanan Road
- COOPER, ALBERT DERWIN, (1934) A.B., M.D.
Instructor in Medicine 1006 Dacian Avenue
- COWPER, FREDERICK AUGUSTUS GRANT, (1918) A.B., A.M., Ph.D.
Professor of Romance Languages 1017 Dacian Avenue
- ||CRAIG, ROBERT LAWRENCE, (1939) B.A., M.D.
Instructor in Neurology 919 Monmouth Avenue
- ||CRAVEN, ERLE BULLA, JR., (1937) A.B., M.D.
Associate in Medicine Winston-Salem, N. C.
- CREADICK, ROBERT NOWELL, (1939) A.B., M.D.
Instructor in Obstetrics and Gynecology Duke Hospital
- †CRISPELL, RAYMOND S., (1933) A.B., M.D.
Associate Professor of Neuropsychiatry Myrtle Drive, West Campus
- CRUM, MASON, (1930) A.B., Ph.D.
Assistant Professor of Biblical Literature 912 Anderson Street
- *CULBRETH, SARAH ELIZABETH, (1938) A.B., A.M., Ph.D.
Instructor in Zoology 801 Third Street
- CUNNINGHAM, BERT, (1916) B.S., M.S., Ph.D.
Professor of Biology 1200 Markham Avenue
- CUYLER, W. KENNETH, (1938) B.A., M.A., Ph.D.
Research Instructor in Endocrinology Randolph Road
- DANN, WILLIAM JOHN, (1934) B.S., Ph.D.
Associate Professor of Physiology and Nutrition 113 Pinecrest Road
- DAVIS, GIFFORD, (1930) A.B., A.M., Ph.D.
Assistant Professor of Romance Languages 2015 Wa Wa Avenue

‡ Absent on leave, Government Service.

|| On active duty, U. S. Army.

† On active duty, U. S. Navy.

* Resigned, June 30, 1942.

- DAVISON, WILBURT CORNELL, (1927) A.B., B.A., B.Sc., M.A., D.Sc., M.D.
Professor of Pediatrics and Dean of the School of Medicine Hope Valley
- DEES, JOHN ESSARY, (1939) B.S., M.D.
Associate in Urology 1012 Green Street
- DEES, SUSAN COONS, (1939) A.B., M.S., M.D.
Associate in Pediatrics 1012 Green Street
- †DELAFLANE, WALTER HAROLD, (1934) A.B., A.M., Ph.D.
Assistant Professor of Economics 214 Swift Avenue
- DE VYVER, FRANK TRAVER, (1935) A.B., A.M., Ph.D.
Professor of Economics 8 Sylvan Road
- DICK, MACDONALD, (1932) B.A., M.A., M.D.
Assistant Professor of Physiology and Pharmacology Hope Valley Road
- DOW, MARIE, MME., (1934) L. ès L., M.A.
Instructor (Part-time) in French 1411 Arcadia Street
- DOW, NEAL, (1934) A.B., M.A., Ph.D.
Instructor in Romance Languages 1411 Arcadia Street
- *DOWLING, MARY LOUISE, (1937) B.S.
Instructor in Physical Education and Recreation 205 Faculty Apartments
- DRESSEL, FRANCIS GEORGE, (1929) B.S., M.S., Ph.D.
Assistant Professor of Mathematics 309 Francis Street
- DUBS, HOMER HASENPFLUG, (1937) A.B., A.M., B.D., Ph.D.
Acting Professor of Philosophy 2415 Club Boulevard
- DUCHARME, PAUL HENRI, (1941) B.S., M.D.
Instructor in Radiology Duke Hospital
- DUKE, KENNETH LINDSAY, (1940) A.B., Ph.D.
Instructor in Anatomy 2112 Englewood Avenue
- DURLAND, ARTHUR CHARLES, (1942) BS., M.S. in M.E.
Instructor in Mechanical Engineering 2007 Pershing Street
- EADIE, GEORGE SHARP, (1930) M.A., M.B., Ph.D.
Professor of Physiology and Pharmacology Hope Valley
- EAGLE, WATT WEEMS, (1930) A.B., M.D.
Associate Professor of Surgery in charge of Otolaryngology 804 Anderson Street
- EASLEY, ELEANOR BEAMER, (1934) B.A., M.A., M.D.
Associate in Obstetrics and Gynecology Guess Road
- †EASLEY, HOWARD, (1930) A.B., M.A., Ph.D.
Assistant Professor of Education Guess Road
- EDWARDS, CHARLES WILLIAM, (1898) A.B., A.M., M.S.
Professor of Physics 406 Buchanan Road
- EIDAM, MARY, (1941) B.M.
Instructor in Music 113 Faculty Apartments
- †EITEMAN, WILFORD J., (1937) A.B., A.M., Ph.D.
Assistant Professor of Economics 126 Pinecrest Road
- ELLIOTT, WILLIAM WHITFIELD, (1925) B.A., M.A., Ph.D.
Professor of Mathematics 1404 Arnette Avenue

† Absent on leave, Government Service.

* Absent on leave with U. S. O., first semester, 1942-1943; resigned, December, 1942.

‡ On active duty, U. S. Navy.

- ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D.
Professor of Sociology Pinecrest Road
- EPPERSON, JESSE HARRISON, (1930) B.S.
Instructor in Preventive Medicine and Public Health 1601 Hermitage Court
- *ERLICKSON, CYRUS CONRAD, (1937) B.S., B.M., M.D.
Associate in Pathology University Apartments
- EVANS, FRANCIS GAYNOR, (1941) A.B., A.M., Ph.D.
Instructor in Zoology 11 Powe Apartments
- EVERETT, JOHN WENDELL, (1932) A.B., Ph.D.
Assistant Professor of Anatomy 2605 University Drive
- *FERGUSON, ARTHUR BOWLES, (1939) A.B., Ph.D.
Instructor in History 1104 Watts Street
- FERGUSON, GEORGE BURTON, (1937) M.Sc. (Med.), M.D.
Associate in Bronchoscopy Beverly Apartments
- FITZGERALD, WILLIAM STONE, (1935) A.B., A.M.
Instructor in English 3 Powe Apartments, 603 Watts Street
- FORBUS, WILEY DAVIS, (1930) A.B., M.D.
Professor of Pathology Hope Valley
- ||FOX, HERBERT JUNIUS, (1940) M.D.
Instructor in Medicine Indian Trail
- GARBER, PAUL NEFF, (1924) A.B., A.M., Ph.D. Myrtle Drive, West Campus
Professor of Church History and Dean of the Divinity School
- *GARDNER, CLARENCE ELLSWORTH, JR., (1930) A.B., M.D.
Associate Professor of Surgery Hope Valley
- *GARRARD, ROBERT L., (1941) A.B., M.S., B.S., M.D.
Instructor in Neuropsychiatry 1000 Hale Street
- GATES, ARTHUR MATHEWS, (1909) A.B., A.M., Ph.D.
Assistant Professor of Latin 1030 West Trinity Avenue
- GERGEN, JOHN JAY, (1936) A.B., M.A., Ph.D.
Professor of Mathematics 1005 Monmouth Avenue
- ||GIBSON, WILLIAM MARION, (1934) A.B., A.M., Ph.D.
Assistant Professor of Political Science Duke University
- GILBERT, ALLAN, (1920) B.A., A.M., Ph.D.
Professor of English 516 Carolina Circle
- GILBERT, KATHARINE EVERETT, (1930) A.B., A.M., Ph.D., Litt.D.
Professor of Philosophy; Chairman, Department of Aesthetics, Art and Music 516 Carolina Circle
- †GILLIN, JOHN, (1941) A.B., A.M., Ph.D.
Associate Professor of Anthropology 1503 Alabama Avenue
- GLASSON, WILLIAM HENRY, (1902) Ph.B., Ph.D., LL.D. 710 Buchanan Road
Professor of Political Economy and Social Science, Emeritus
- GOHDES, CLARENCE, (1930) A.B., A.M., Ph.D.
Professor of English 2614 Stuart Drive

* On active duty, U. S. Army.

|| On active duty, U. S. Navy.

† Absent on leave, Government Service.

- GRAHAM, WILLIAM ALEXANDER, (1939) A.B., M.D.
Instructor in Obstetrics and Gynecology Beverly Apartments
- GRAVES, ROBERT WILLIAMS, (1936) B.S., M.A., M.D.
Assistant Professor of Neurology Cornwallis Road
- GRAY, CYRUS LEIGHTON, (1941) A.B., M.D.
Instructor in Radiology Duke Hospital
- GRAY, IRVING EMERY, (1930) B.S., M.S., Ph.D.
Professor of Zoology 124 Pinecrest Road
- *GREENE, WALTER KIRKLAND, (1928) A.B., A.M., Ph.D.
Professor of English and Dean of Undergraduate Instruction Myrtle Drive, West Campus
- GREENHILL, MAURICE H., (1940) A.B., M.D.
Associate Professor of Neuropsychiatry Hope Valley
- GREGORY, PAUL M., (1942) A.B., Ph.D.
Visiting Instructor in Economics 918 Urban Avenue
- GRIMSON, KEITH S., (1942) B.A., B.S., M.D.
Associate in Surgery 804 Fourth Street
- GROSS, PAUL MAGNUS, (1919) B.S., A.M., Ph.D.
William Howell Pegram Professor of Chemistry Hope Valley
- GROUT, JULIA REBECCA, (1924) A.B., M.S.
Assistant Professor of Physical Education, Woman's College 207 Jones Street
- †HALL, FRANK GREGORY, (1926) A.B., A.M., Ph.D.
Professor of Zoology 122 Pinecrest Road
- HALL, LOUISE, (1931) B.A., S.B. in Architecture, Brevet d'Art de la Sorbonne
Assistant Professor of Fine Arts 210 Faculty Apartments
- HALL, SNOWDEN COWMAN, (1937) A.B., M.D.
Associate in Medicine Danville, Va.
- HALL, WILLIAM HOLLAND, (1915) A.B., A.M., B.C.E., M.S.C.E.
Professor of Engineering and Dean of the College of Engineering 922 Urban Avenue
- HALLOWELL, JOHN HAMILTON, (1942) A.B., A.M., Ph.D.
Visiting Assistant Professor of Political Science 1309 Maryland Avenue
- HAMBLÉN, EDWIN CROWELL, (1931) B.S., M.D.
Associate Professor of Obstetrics, Gynecology and Endocrinology 810 Forest Hills Blvd.
- HAMILTON, EARL JEFFERSON, (1927) B.S., A.M., Ph.D.
Professor of Economics 1015 Demerius Street
- HAMILTON, WILLIAM BASKÉVILLE, JR., (1936) A.B., A.M., Ph.D.
Assistant Professor of History 2256 Cranford Road
- HANDLER, PHILIP, (1939) B.S., M.S., Ph.D.
Associate in Physiology and Nutrition 2813 Legion Avenue
- HANES, FREDERIC MOIR, (1930) A.B., A.M., M.D.
Florence McAlister Professor of Medicine 2127 Myrtle Drive, West Campus
- HANSEN-PRÜSS, OSCAR CARL EDVARD, (1930) A.B., M.D.
Associate Professor of Medicine in charge of Clinical Microscopy 3 Surry Road, Hope Valley

* Resigned, June 30, 1942.

† On active duty, U. S. Army.

- HARGITT, GEORGE THOMAS, (1930) Ph.B., A.M., Ph.D., Sc.D.
Professor of Zoology 811 Watts Street
- †HARRAR, ELWOOD SCOTT, (1936) B.S., M.S., Ph.D.
Associate Professor of Wood Technology 2228 Cranford Road
- ‡HARRIS, JEROME SYLVAN, (1936) A.B., M.D.
Associate in Pediatrics and Biochemistry Erwin Apartments
- HART, DERYL, (1930) A.B., A.M., M.D.
Professor of Surgery Duke University Road and Highway 751
- HART, HORNE LL NORRIS, (1938) A.B., M.A., Ph.D.
Professor of Sociology Randolph Road
- HARWELL, GEORGE CORBIN, (1935) A.B., A.M., Ph.D.
Instructor in English 2020 Pershing Street
- ‡HASBROUCK, FRANCIS MAHLON, (1935) A.B., Ph.D.
Assistant Professor of Romance Languages 1005 Homer Street
- HATLEY, CHARLES CLEVELAND, (1917) A.B., A.M., Ph.D.
Professor of Physics 708 Buchanan Road
- HAUSER, CHARLES ROY, (1929) B.S., M.S., Ph.D.
Associate Professor of Chemistry 1020 Rose Hill Avenue
- *HEBB, MALCOLM HAYDEN, (1938) A.B., Ph.D.
Instructor in Physics 137 Pinecrest Road
- HEMPHILL, JAMES EUGENE, (1940) B.A., M.D.
Instructor in Radiology 2109 Pershing Street
- HENDERSON, ALFRED FAXON, (1938) A.B., M.D.
Instructor in Urology Vance Apartments
- HENDRIX, JAMES PAISLEY, (1938) B.S., M.A., M.D.
Associate in Medicine 144 Pinecrest Road
- HERRING, HERBERT JAMES, (1924) A.B., A.M. Myrtle Drive, West Campus
Assistant Professor in Speech and Dean of Trinity College
- HESSER, FREDERICK HARRISON, (1941) A.B., M.D.
Instructor in Neuropsychiatry University Apartments
- HETHERINGTON, DUNCAN CHARTERIS, (1930) A.B., M.A., Ph.D., M.D.
Associate Professor of Anatomy Hope Valley
- HICKMAN, FRANKLIN SIMPSON, (1927) A.B., S.T.B., A.M., Ph.D.
*Professor of Preaching and the Psychology of Religion and
 Dean of the Chapel* 823 Buchanan Road
- HICKSON, ARTHUR OWEN, (1929) A.B., A.M., Ph.D.
Assistant Professor of Mathematics 208 Legion Avenue, Tuscaloosa Forest
- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.
Assistant Professor of Chemistry Dixon Road
- HINTON, WILLIAM ARTHUR, (1942) B.S. in M.E., M.S. in M.E.
Assistant Professor of Mechanical Engineering 1110 Oval Drive
- ||HITCH, JOSEPH M., (1938) A.B., M.S., M.D.
Instructor in Dermatology and Syphilology Chapel Hill, N. C.
- HOBBS, MARCUS EDWIN, (1935) A.B., A.M., Ph.D.
Assistant Professor of Chemistry 115 Pinecrest Road

† Absent on leave, War Industry Service.

‡ On active duty, U. S. Army.

• Absent on leave, Government Service, second semester, 1942-1943.

|| On active duty, U. S. Navy.

- HOFFER, JERRY, (1941) B.S., M.S. in A.E.
Instructor in Aeronautics 602 Buchanan Road
- HOLLINSHEAD, WILLIAM HENRY, (1930) B.A., M.S., Ph.D.
Assistant Professor of Anatomy 2307 Prince Street
- HOLTON, HOLLAND, (1912) A.B., J.D.
*Professor of the History and Science of Education and
Director of the Summer Session* 809 Watts Street
- HON, RALPH C., (1941) A.B., A.M., Ph.D.
Visiting Assistant Professor of Economics 127 Pinecrest Road
- †HOOVER, CALVIN BRYCE, (1925) A.B., Ph.D., Litt.D.
*Professor of Economics and Dean of the Graduate School of
Arts and Sciences* 1702 Duke University Road
- HORACK, HUGO CLAUDE, (1930) Ph.B., LL.B., LL.D.
Professor of Law and Dean of the School of Law
2021 Myrtle Drive, West Campus
- HOWARD, JAMES O'BRIEN, (1942) A.B., Ph.D.
Instructor in Political Science 2120 Pershing Street
- HUBBELL, JAY BROADUS, (1927) A.B., A.M., Ph.D.
Professor of English 121 Pinecrest Road
- IRVING, WILLIAM HENRY, (1936) B.A., B.A. (Oxon.), M.A., Ph.D.
Professor of English 2705 Legion Avenue
- JEFFERS, KATHERINE R., (1937) A.B., A.M., Ph.D.
Assistant Professor of Zoology 1507 West Pettigrew Street
- JENSEN, HOWARD EIKENBERRY, (1931) A.B., A.M., B.D., Ph.D.
Professor of Sociology 143 Pinecrest Road
- JOHNSON, MYCHYLE W., (1937) A.B., Ph.D.
Assistant Professor of Zoology 2108 Sprunt Street
- JOHNSTON, CHRISTOPHER, (1930) A.B., M.D.
Assistant Professor of Medicine 1417 W. Pettigrew Street
- *JONES, THOMAS T., (1937) A.B., M.D.
Associate in Medicine 1919 Club Boulevard
- JORDAN, ARCHIBALD CURRIE, (1925) A.B., A.M.
Assistant Professor of English Pinecrest Road, Corner U. S. Highway No. 751
- JORDAN, BRADY RIMBEY, (1927) Litt.B., Ph.D.
Professor of Romance Languages 117 Pinecrest Road
- †KEECH, JAMES MAYNARD, (1931) A.B., A.M., Ph.D.
Instructor in Economics 2803 Nation Avenue
- *KEMP, EDWARD H., (1940) A.B., Ph.D.
Assistant Professor of Psychology 1403 Oakland Avenue
- KEMP, MALCOLM D., (1941) M.D.
Instructor in Neuropsychiatry Pine Bluff, N. C.
- KEMPNER, WALTER, (1934) M.D.
Assistant Professor of Medicine Washington Duke Hotel
- KERBY, GRACE P., (1940) B.S.
Instructor in Pathology Beverly Apartments

† Absent on leave, Government Service.

* On active duty, U. S. Army.

- KOCH, SIGMUND, (1942) A.B., A.M., Ph.D.
Instructor in Psychology University Apartments
- KOHN, HENRY IRVING, (1937) A.B., Ph.D. 206 East Woodridge Drive
Assistant Professor of Physiology and Pharmacology
- *KORSTIAN, CLARENCE FERDINAND, (1930) B.S.F., M.F., M.A., Ph.D.
Professor of Silviculture and Dean of the School of Forestry
 1718 Duke University Road
- KRAMER, PAUL JACKSON, (1931) A.B., M.Sc., Ph.D.
Associate Professor of Botany 2251 Cranford Road
- KRAYBILL, EDWARD K., (1939) B.S. in E.E.
Instructor in Electrical Engineering 113 Watts Street
- KRUMMEL, CHARLES ALBERT, (1922) Ph.B., Ph.M., Ph.D.
Professor of German 2118 Englewood Avenue
- KUHN, HAROLD HUNTER, (1940) A.B., B.S., M.D.
Instructor in Orthopaedics Duke Hospital
- ‡LANDON, CHARLES EDWARD, (1926) A.B., A.M., Ph.D.
Assistant Professor of Economics 1514 Edgevale Road
- †LANNING, JOHN TATE, (1927) A.B., A.M., Ph.D.
Professor of History Hope Valley
- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.
Professor of History 1108 Monmouth Avenue
- ‡LATTY, ELVIN REMUS, (1937) B.S., J.D., J.Sc.D.
Professor of Law 2020 Wilson Street
- LEARY, LEWIS, (1941) B.S., A.M., Ph.D.
Assistant Professor of English 1503 Alabama Avenue
- LEMERT, BEN FRANKLIN, (1930) B.Sc. in Bus. Admin., M.A., Ph.D.
Assistant Professor of Economic Geography 123 Pinecrest Road
- LEONARD, HENRY SIGGINS, (1937) A.B., A.M., Ph.D.
Associate Professor of Philosophy 107 Pinecrest Road
- LESTER, RICHARD ALLEN, (1940) Ph.B., M.A., Ph.D.
Associate Professor of Economics 2020 Wilson Street
- LEWIS, LEROY, (1935) A.B., A.M.
Instructor in Speech 1517 North Duke Street
- LEWIS, MARTHA MODENA, (1933) B.S., M.A.
Instructor in Physical Education and Dance 305 Erwin Apartments
- LEWIS, RALPH ELTON, (1941) B.S., M.S. in M.E.
Assistant Professor of Mechanical Engineering 1308 Markham Avenue
- ||LINEBARGER, PAUL MYRON ANTHONY, (1937) A.B., M.A., Ph.D.
Assistant Professor of Political Science 1502 Bivins Street
- LÖWENBACH, HANS, (1940) M.D.
Assistant Professor of Neuropsychiatry and Physiology University Apartments
- LONDON, ARTHUR HILL, JR., (1932) B.S., M.D.
Associate in Pediatrics 619 Morehead Avenue
- LONDON, FRITZ, (1938) Ph.D., Docteur ès Sciences of the University of Paris
Professor of Theoretical Chemistry 1508 Oakland Avenue

* Absent on sabbatical leave, first semester, 1942-1943.

‡ Absent on leave, Government Service.

† Absent on sabbatical leave, second semester, 1941-1942.

|| On active duty, U. S. Army.

- LOVELL, DURWARD LEE, (1937) M.D.
Instructor in Surgery Duke Hospital
- LOWNDES, CHARLES LUCIEN BAKER, (1934) A.B., LL.B., S.J.D.
Professor of Law 2016 Club Boulevard
- LUND, JOHN JORGENSEN, (1939) A.B., Ph.D., Certificate of Librarianship
Librarian 921 Monmouth Avenue
- *LUNDEBERG, OLAV K., (1931) A.B., A.M., Ph.D.
Associate Professor of Romance Languages 127 Pinecrest Road
- LUNDHOLM, HELGE, (1930) Fil. Kand., Fil. Lic., Ph.D.
Professor of Psychology 803 Second Street
- LYMAN, RICHARD SHERMAN, (1940) B.A., M.D.
Professor of Neuropsychiatry 812 Anderson Street
- McBRYDE, ANGUS, (1931) B.S., M.D.
Assistant Professor of Pediatrics 1522 Hermitage Court
- McCAIN, PAUL PRESSLY, (1931) A.B., M.D., LL.D.
Assistant Professor of Medicine Southern Pines, N. C.
- McCLOY, SHELBY THOMAS, (1927) A.B., M.A., B.A., B.Litt., Ph.D.
Assistant Professor of History Vineyard Street, Tuscaloosa Forest
- McCREA, FORREST DRAPER, (1930) B.S., M.S., Ph.D.
Associate Professor of Physiology and Pharmacology 1023 Demerius Street
- McDERMOTT, MALCOLM, (1930) A.B., LL.B.
Professor of Law East Campus
- †McDONALD, ALEXANDER DONALD, (1936) A.B., M.F.A.
Assistant Professor of Fine Arts University Apartments
- McDOWELL, ROY HENDRIX, (1941) A.B., M.D., M.P.H.
Instructor in Syphilology 1603 W. Lakewood Avenue
- McLARTY, FURMAN GORDON, (1933) A.B., B.A., A.M., Ph.D.
Assistant Professor of Philosophy Hillsboro, N. C.
- †MAGGS, DOUGLAS BLOUNT, (1930) A.B., J.D., S.J.D.
Professor of Law Hope Valley
- MAKEPEACE, ALEXANDER WATTS, (1941) M.D.
Associate in Obstetrics and Gynecology Chapel Hill, N. C.
- MAKER, PHILIP TILLOTSON, (1942) A.B., A.M., Ph.D.
Assistant Professor of Mathematics 2803 Nation Avenue
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.
Associate Professor of History and Dean of Freshmen Myrtle Drive, West Campus
- ||MANNING, ISAAC HALL, JR., (1939) A.B., M.D.
Associate in Medicine University Apartments
- MARGOLIS, LESTER HENRY, (1940) A.B., M.D.
Instructor in Neurology Duke Hospital
- MARTIN, DONALD STOVER, (1932) A.B., M.D.
Associate Professor of Bacteriology and Associate in Medicine 2208 Pershing Street
- MARTIN, ELSIE W., (1930) A.B., M.S.
Professor of Dietetics 206 Faculty Apartments, East Campus

* Absent on sabbatical leave, second semester, 1941-1942.

† Resigned, June 30, 1942.

† Absent on leave, Government Service.

|| On active duty, U. S. Army.

- MAUGHAN, WILLIAM, (1931) B.S., M.F.
Associate Professor of Forest Management 5 Sylvan Road
- †MAXWELL, WILLIAM CARY, (1930) A.B., A.M., Ph.D.
Assistant Professor of German 142 Pinecrest Road
- MEIER, OTTO, JR., (1934) B.S. in E.E., M.S., E.E.
Assistant Professor of Electrical Engineering 916 Monmouth Avenue
- MENEFEE, ELIJAH EUGENE, JR., (1940) B.S., M.D.
Instructor in Medicine and Bacteriology, and
Anna H. Hanes Research Fellow 2314 Woodrow Street
- MILAM, DANIEL FRANKLIN, (1939) A.B., M.P.H., M.D.
Associate in Preventive Medicine and Public Health Duke Hospital
- MITCHELL, FRANK KIRBY, (1926) A.B., A.M.
Associate Professor of English East Campus
- †MOORE, THOMAS H., (1940) B.S.
• Instructor in Economics 1200 W. Markham Avenue
- ‡MORGAN, GEORGE ALLEN, JR., (1936) Ph.B., A.M., Ph.D.
Associate Professor of Philosophy 713 Anderson Street
- MOUZON, JAMES CARLISLE, (1932) B.A., Ph.D.
Associate Professor of Physics 132 Pinecrest Road
- MYERS, HIRAM EARL, (1926) A.B., S.T.B., S.T.M.
Professor of Biblical Literature 141 Pinecrest Road
- NELSON, ERNEST WILLIAM, (1926) A.B., A.M., Ph.D.
Associate Professor of History Faculty Apartments
- NEURATH, HANS, (1938) Ph.D.
Assistant Professor of Biochemistry Manchester Apartments
- NICHOLSON, WILLIAM MCNEAL, (1935) A.B., M.D.
Assistant Professor of Medicine 812 Anderson Street
- *NIELSEN, WALTER MCKINLEY, (1925) B.S. in E.E., Ph.D.
Professor of Physics 139 Pinecrest Road
- NOOJIN, RAY O., (1940) A.B., M.D.
Instructor in Dermatology and Syphilology 2204 Woodrow Street
- NORDHEIM, LOTHAR WOLFGANG, (1937) Ph.D.
Professor of Physics 2255 Cranford Road
- NORFLEET, GRIZZELLE M., (1938) A.B., B.S., M.A.
Supervisor of the Spastic Clinic Faculty Apartments
- ODOM, GUY LEARY, (1943) M.D.
Associate in Surgery in charge of Neurosurgery Hope Valley
- OOSTING, HENRY JOHN, (1932) A.B., M.S., Ph.D.
Assistant Professor of Botany 2642 University Drive, Rockwood
- ORGAIN, EDWARD STEWART, (1934) M.D.
Assistant Professor of Medicine Beverly Apartments
- ORMOND, JESSE MARVIN, (1923) A.B., B.D., D.D.
Professor of Practical Theology 110 Pinecrest Road
- OUTLER, ALBERT C., (1938) A.B., A.M., B.D., Ph.D.
Assistant Professor of Historical Theology 2122 Englewood Avenue
- ‡PARKER, HAROLD TALBOT, (1939) A.B., Ph.D.
Instructor in History University Apartments

† On active duty, U. S. Navy.

‡ On active duty, U. S. Army.

* Absent on leave, Government Service, 1942-1943

- PATTERSON, KARL BACHMAN, (1920) A.B., A.M.
Assistant Professor of Mathematics 1024 Monmouth Avenue
- PATTON, LEWIS, (1926) A.B., Ph.D.
Associate Professor of English 614 Swift Avenue
- PEARSE, ARTHUR SPERRY, (1926) B.S., A.M., Ph.D., LL.D.
Professor of Zoology Chelsea Circle, Hope Valley
- † PEARSE, RICHARD LEHMER, (1935) A.B., M.D.
Instructor in Obstetrics and Gynecology 1003 Lamond Avenue
- PEPPLER, CHARLES WILLIAM, (1912) A.B., Ph.D.
Professor of Greek 406 Buchanan Road
- PEELE, TALMAGE LEE, (1939) A.B., M.D.
Associate in Anatomy University Apartments
- PERLZWEIG, WILLIAM ALEXANDER, (1930) B.S., A.M., Ph.D.
Professor of Biochemistry Hope Valley
- PERRY, HAROLD SANFORD, (1932) A.B., Ph.D.
Assistant Professor of Botany 2302 Cranford Road
- ‡ PERSONS, ELBERT LAPSLEY, (1930) A.B., M.D.
Assistant Professor of Medicine 723 Anderson Street
- PETERSON, MAURINE, (1942) B.S., M.S.
Instructor in Health Education 101 Faculty Apartments
- PETRY, RAY C., (1937) A.B., A.M., Ph.D.
Assistant Professor of Church History 128 Pinecrest Road
- PIERSON, ALVAN REEVES, JR., (1942) B.S., Lieutenant Commander, U. S. N. R.
Associate Professor of Naval Science and Tactics 908 Markham Avenue
- PINKERTON, MARGARET ISABEL, (1939) B.S., R.N.
Professor of Nursing and Dean of the School of Nursing Nurses Home
- POSTON, MARY ALVERTA, (1930) A.M.
Instructor in Bacteriology 512 Watts Street
- * POTEAT, JAMES DOUGLASS, (1936) A.B., LL.B., J.S.D.
Professor of Law 1106 Watts Street
- POTEAT, MARY, (1935) A.B., A.M., Ph.D.
Instructor in English 103 Faculty Apartments
- PRATT, LANIER WARD, (1940) A.B., M.A.
Instructor in Romance Languages 2023 Sprunt Street
- PROCTOR, ARTHUR MARCUS, (1923) A.B., A.M., Ph.D.
Professor of Education Myrtle Drive, West Campus
- QUYNN, DOROTHY MACKAY, MRS., (1930) A.B., A.M., Docteur de l'Université de Paris
Assistant Professor of History Woodridge Drive, Rockwood
- ‡ QUYNN, WILLIAM ROGERS, (1930) B.A., M.A., Ph.D.
Assistant Professor of Romance Languages Woodridge Drive, Rockwood
- RANEY, RICHARD BEVERLY, (1934) A.B., M.D.
Associate in Orthopaedics 1110 Shepherd Street
- RANKIN, ROBERT STANLEY, (1927) A.B., A.M., Ph.D.
Professor of Political Science 1107 Knox Street

† On active duty, U. S. Navy.

‡ On active duty, U. S. Army.

* Absent on leave, Government Service.

- RANKIN, WILLIAM WALTER, JR., (1926) B.E., M.A.
Professor of Mathematics 1011 Gloria Avenue
- *RATCHFORD, BENJAMIN ULYSSES, (1928) B.S., A.M., Ph.D.
Associate Professor of Economics 133 Pinecrest Road
- RAYMOND, MARY LOIS, (1931) A.B., M.A.
Assistant Professor of Romance Languages 1003 Lamond Avenue
- REAMER, I. THOMAS, (1931) Ph.G.
Instructor in Pharmacy University Apartments
- REED, FREDERICK JEROME, (1935) M.E., M.S.
Assistant Professor of Mechanical Engineering 2203 Englewood Avenue
- REEVES, ROBERT JAMES, (1930) A.B., M.D.
Clinical Professor of Radiology 1010 Monmouth Avenue
- *REID, JOHN TURNER, (1939) A.B., A.M., Ph.D.
Assistant Professor of Romance Languages 2613 University Drive
- †REQUE, PAUL GERHARD, (1940) M.D.
Instructor in Medicine, Dermatology and Syphilology 2023 Sprunt Street
- RHINE, JOSEPH BANKS, (1927) B.S., M.S., Ph.D.
Professor of Psychology 908 W. Club Boulevard
- RICHARDSON, WILLIAM P., (1938) B.S., M.P.H., M.D.
Instructor in Preventive Medicine and Public Health Chapel Hill, N. C.
- ROBERT, JOSEPH CLARKE, (1938) A.B., A.M., Ph.D.
Assistant Professor of History 1102 B Street
- ‡ROBERTS, JOHN H., (1931) A.B., Ph.D.
Associate Professor of Mathematics Legion Avenue, Tuscaloosa Forest
- †ROBERTS, LOUIS CARROLL, (1933) B.S., M.D.
Instructor in Urology 2028 Sunset Avenue
- ROGERS, CHARLES GARDNER, (1942) A.B., A.M., Ph.D., Sc.D.
Visiting Professor of Zoology L-1-A University Apartments
- ||ROGERS, HARRIET ROWLEY, MRS., (1939) B.S., M.A.
Instructor in Physical Education and Hygiene
- ROGERS, ROBERT S., (1937) A.B., A.M., Ph.D., F.A.A.R.
Professor of Latin 148 Pinecrest Road
- ROPP, THEODORE, (1938) A.B., A.M., Ph.D.
Instructor in History 206 Woodridge Drive
- ||ROSBOROUGH, RUSKIN RAYMOND, (1925) A.B., A.M., Ph.D., Docteur en
 philologie classique, Louvain, F.A.A.R.
Professor of Latin 410 Watts Street
- ROSE, JESSE LEE, (1936) A.B., M.A., Ph.D.
Instructor in Latin 603 Watts Street
- ROSENAU, MILTON JOSEPH, (1936) A.M., M.D.
Lecturer in Preventive Medicine and Public Health Chapel Hill, N. C.
- †ROSS, NORMAN F., (1937) D.D.S.
Instructor in Dentistry Chelsea Circle, Hope Valley
- ‡ROSS, ROBERT ALEXANDER, (1930) B.S., M.D.
Associate Professor of Obstetrics and Gynecology 818 Anderson Street

* Absent on leave, Government Service.

† On active duty, U. S. Army.

‡ On active duty, U. S. Navy.

|| Resigned, June 30, 1942.

- ROWE, GILBERT THEODORE, (1928) A.B., S.T.D., D.D., Litt.D.
Professor of Christian Doctrine 150 Pinecrest Road
- RUCKER, MARVIN PIERCE, (1941) A.M., M.D., LL.D.
Lecturer in Obstetrics and Gynecology Richmond, Va.
- RUFFIN, JULIAN MEADE, (1930) A.B., M.A., M.D.
Associate Professor of Medicine 816 Anderson Street
- RUSSELL, ELBERT, (1926) A.B., A.M., Ph.D., Litt.D.
Professor of Biblical Interpretation and Dean
Emeritus of the Divinity School 804 Fourth Street
- SACHS, JAMES WILBUR, (1940) B.S., M.C.
Instructor in Otolaryngology and Ophthalmology Duke Hospital
- SANDERS, C. RICHARD, (1937) B.Ph., M.A., Ph.D.
Assistant Professor of English 1004 Urban Avenue
- *SANDERS, PAUL HAMPTON, (1936) A.B., LL.B.
Associate Professor of Law 2711 Stuart Drive
- SARETT, HERBERT PAUL, (1939) B.A., M.S., Ph.D.
Instructor in Biochemistry Duke Hospital
- SAYLOR, JOHN HENRY, (1928) A.B., A.M., Ph.D.
Associate Professor of Chemistry 707 Club Boulevard
- SCARBOROUGH, HENRY BALDWIN, (1942) A.B., M.A.
Instructor in Physics 1007 W. Trinity Avenue
- SCATES, DOUGLAS EDGAR, (1939) A.B., Ph.D.
Associate Professor of Education 2247 Anderson Road
- SCHIEBEL, HERMAN MAX, (1939) A.B., M.D.
Instructor in Surgery University Apartments
- SCHNOOR, THOMAS GILBERT, (1940) B.S., M.D.
Instructor in Otolaryngology and Ophthalmology 2308 Erwin Road
- †SCHULZE, WILLIAM, (1936) B.S., M.D.
Instructor in Medicine, and Robert M. Hanes
Research Fellow 1001 Lamond Avenue
- SCHUMACHER, FRANCIS X., (1937) B.S.
Professor of Forestry 6 Sylvan Road
- SEAGROVES, EVERETT EDGAR, (1941) B.S., Lieutenant, U. S. Navy
Assistant Professor of Naval Science and Tactics 1015 Gloria Avenue
- †SEALY, WILL CAMP, (1936) B.S., M.D.
Instructor in Surgery Vance Apartments
- SEELEY, WALTER JAMES, (1925) E.E., M.S.
Professor of Electrical Engineering 1005 Urban Avenue
- SHARP, D. GORDON, (1939) B.S., M.A., Ph.D.
Research Associate in Experimental Surgery 202 Francis Street
- SHEARS, LAMBERT ARMOUR, (1927) A.B., A.M., Ph.D.
Instructor in German 917 Green Street

* Absent on leave, Government Service.

† On active duty, U. S. Army.

- *SHEPHERD, HAROLD, (1939) A.B., J.D.
Professor of Law Cole Mill Road
- SHIELDS, JOHN HERMAN, (1926) A.B., A.M.
Assistant Professor of Accounting 1315 Vickers Avenue
- †SHIPMAN, GEORGE A., (1938) A.B., Ph.D.
Associate Professor of Political Science 139 Pinecrest Road
- SIMPSON, WILLIAM HAYS, (1930) A.B., A.M., Ph.D.
Assistant Professor of Political Science 1408 Dollar Avenue
- SMITH, DAVID TILLERSON, (1930) A.B., M.D.
Professor of Bacteriology and Associate Professor of Medicine Hope Valley
- SMITH, HILRIE SHELTON, (1931) A.B., Ph.D., D.D., Litt.D.
Professor of Christian Ethics and Religious Education 1523 Hermitage Court
- SMITH, NATALIE, (1940) B.A., M.S.
Instructor in Physical Education 306 Erwin Apartments
- *SMITH, O. NORRIS, (1937) B.A., M.D.
Associate in Medicine Greensboro, N. C.
- SMITH, ROBERT SIDNEY, (1932) A.B., A.M., Ph.D.
Assistant Professor of Economics 2236 Cranford Road
- SMITH, RUTH SLACK, MRS., (1927) A.B., A.M.
Instructor in Education and Associate Dean of Undergraduate Instruction, Woman's College 115 Faculty Apartments, East Campus
- SMITH, SUSAN GOWER, MRS., (1930) A.B., M.A.
Associate in Medicine Hope Valley
- SNIVELY, MARY HELEN, (1930) R.N., Anes.
Instructor in Anesthesia Horton Road
- SPENCE, BESSIE WHITTED, MRS., (1929) A.B., A.M., B.D.
Instructor in Biblical Literature Hope Valley
- SPENCE, HERSEY EVERETT, (1918) A.B., A.M., B.D., D.D., Litt.D.
Professor of Biblical Literature and Religious Education Hope Valley
- †SPENGLER, JOSEPH JOHN, (1934) A.B., M.A., Ph.D.
Professor of Economics 2240 Cranford Road
- SPONER, HERTHA, (1935) Ph.D.
Professor of Physics Hope Valley
- ‡SPRINGER, JOHN YOUNG, (1936) A.B., M.B.A.
Assistant Professor of Economics University Apartments
- SPRUNT, DOUGLAS HAMILTON, (1932) B.S., M.S., M.D.
Associate Professor of Pathology Hope Valley
- *STEVENS, JOSEPH BLACKBURN, (1940) B.S., M.D.
Associate in Medicine Duke Hospital
- *STILL, BAYRD, (1938) A.B., A.M., Ph.D.
Assistant Professor of History Erwin Apartments
- STINESPRING, WILLIAM FRANKLIN, (1936) B.A., M.A., Ph.D.
Associate Professor of Old Testament 1107 Watts Street
- STUBBS, FRANCIS HORATIO, JR., (1942) B.S., M.S., Lieutenant, U. S. Navy
 (Ret.)
Assistant Professor of Naval Science and Tactics Woodrow Street

† Absent on leave, Government Service, 1942-1943

* On active duty, U. S. Army.

‡ On active duty, U. S. Navy.

- SUGDEN, HERBERT WILFRED, (1929) A.B., A.M., Ph.D.
Assistant Professor of English University Apartments
- *SUITT, ROBERT BURKE, (1940) M.D.
Associate in Neuropsychiatry University Apartments
- *SULLIVAN, DANIEL JOSEPH, (1940) M.D.
Instructor in Neuropsychiatry Duke Hospital
- †SUNDERLAND, ELIZABETH READ, (1939) A.B., A.M., Ph.D.
Instructor in Fine Arts University Apartments
- ‡SWETT, FRANCIS HUNTINGTON, (1930) A.B., M.A., Ph.D.
Professor of Anatomy Hope Valley
- SYDNOR, CHARLES SACKETT, (1936) A.B., Ph.D.
Professor of History 116 Pinecrest Road
- TALBERT, ERNEST WILLIAM, (1942) A.B., M.A., Ph.D.
Assistant Professor of English 2633 Chapel Hill Road
- TAYLOR, ALTON ROBERT, (1939) B.S., Ph.D.
Research Associate in Surgery 2023 Club Boulevard
- TAYLOR, HAYWOOD MAURICE, (1930) B.S., M.S., Ph.D.
Associate Professor of Biochemistry and Toxicology University Drive, Rockwood
- THEISS, ERNEST S., (1939) B.S. in M.E., M.S.
Instructor in Mechanical Engineering 2645 University Drive
- THOMAS, JOSEPH MILLER, (1930) A.B., Ph.D.
Professor of Mathematics 2215 Cranford Road
- *THOMAS, WALTER LEE, JR., (1932) A.B., M.A., M.D.
Assistant Professor of Obstetrics and Gynecology 415 Carolina Circle
- THOMPSON, EDGAR TRISTRAM, (1935) A.B., A.M., Ph.D.
Associate Professor of Sociology and Mental Hygiene 138 Pinecrest Road
- ||THOMSON, ROY BERTRAND, (1938) B.S., M.F., Ph.D.
Associate Professor of Forest Economics 2243 Cranford Road
- *THORNHILL, EDWIN HALE, (1939) M.D.
Instructor in Otolaryngology and Ophthalmology Duke Hospital
- ||TRUESDALE, JAMES N., (1930) A.B., A.M., Ph.D.
Instructor in Greek Duke University
- *UPCHURCH, SAMUEL EARLE, (1933) B.A., M.D.
Instructor in Surgery Duke Hospital
- VAIL, CHARLES ROWE, (1939) B.S. in E.E.
Instructor in Electrical Engineering 1001 Watts Street
- VANCE, MARY HENDREN, MRS., (1926) A.B., A.M.
Assistant Professor of English 208 Watts Street
- VAN ALSTYNE, DOROTHY, (1942) A.B., A.M., Ph.D.
Visiting Assistant Professor in Education Faculty Apartments
- VAN DUSEN, ALBERT EDWARD, (1941) B.A., M.A.
Instructor in History 1502 Bivins Street

* On active duty, U. S. Army.

† Resigned, June 30, 1942.

‡ Died, February 10, 1943.

|| On active duty, U. S. Navy.

- VAN VOORHIS, ROBERT HENRY, (1941) A.B., A.M.
Instructor of Economics East Campus
- VOLLMER, CLEMENT, (1926) A.B., A.M., Ph.D.
Professor of German 2114 Myrtle Drive, West Campus
- VON BECKERATH, HERBERT, (1935) Ph.D.
Professor of Economics and Political Science Hope Valley
- VOSBURGH, WARREN CHASE, (1928) B.S., M.S., Ph.D.
Professor of Chemistry 2319 Englewood Avenue
- WACKERMAN, ALBERT EDWARD, (1938) B.S., M.F.
Professor of Forest Utilization Dover Road, Hope Valley
- *WADE, WALLACE, (1931) A.B.
Director of Physical Education, Trinity College Myrtle Drive, West Campus
- WALKER, CHARLOTTE FRISCH, (1941) M.D.
Instructor in Neuropsychiatry 212 Watts Street
- WALKER, GERALD CAMPBELL, (1941) M.D., C.M.
Instructor in Pathology Duke Hospital
- WALTER, DAVID OSWELL, (1942) A.B., A.M., Ph.D., J.D.
Visiting Assistant Professor of Political Science 1406 Pennsylvania Avenue
- WALTON, LORING BAKER, (1929) A.B., Lic. ès L., Ph.D.
Associate Professor of Romance Languages 2235 Cranford Road
- WANNAMAKER, WILLIAM HANE, (1904) A.B., A.M., Litt.D.
Professor of German and Dean of the University Myrtle Drive, West Campus
- WARD, CHARLES EUGENE, (1927) A.B., A.M., Ph.D.
Associate Professor of English Guess Road
- †WATSON, JOHN D., (1939) A.B., B.S. in C.E., M.S., Sc.D.
Assistant Professor of Civil Engineering 2519 Club Boulevard
- WATSON, KARL BRANTLEY, (1936) B.S., A.B., A.M., Ph.D.
Instructor in Education 1102 Virginia Avenue
- *WATSON, RICHARD L., JR., (1939) A.B., Ph.D.
Instructor in History 1104 Watts Street
- WAY, VERNON ELGIN, (1930) A.B., A.M., M.A.
Assistant Professor of Greek 909 Gregson Street
- WEBB, ALBERT MICAIAH, (1903) A.B., A.M.
Professor of Romance Languages 1017 Trinity Avenue
- WEEKS, MARGARET, (1942) B.S., M.A.
Instructor in Physical Education 207 Watts Street
- †WELFLING, WELDON, (1936) A.B., A.M., Ph.D.
Assistant Professor of Economics Pickett Road
- WEST, ALFRED THURPER, (1930) B.S., A.M.
Assistant Professor of English 1112 Georgia Avenue
- WHARTON, GEORGE WILLARD, JR., (1939) B.S., Ph.D.
Instructor in Zoology 2112 Englewood Avenue
- WHITE, MARIE ANNE, MRS., (1930) A.B., A.M.
Assistant Professor of English 803 Second Street

* On active duty, U. S. Army.

† Absent on leave, Government Service.

- WHITE, NEWMAN IVEY, (1919) A.B., A.M., Ph.D.
Professor of English 803 Second Street
- WIDGERY, ALBAN GREGORY, (1930) B.A., M.A.
Professor of Philosophy St. Catherine, Pinecrest Road
- WILBUR, RALPH SYDNEY, (1933) B.S. in M.E., M.E.
Professor of Mechanical Engineering 1018 Demerius Street
- WILLIAMS, JAMES WESLEY, (1937) A.B., B.S. in C.E.
Instructor in Civil Engineering 206 Swift Avenue
- WILSON, ALICE ROBINSON, MRS., (1939) A.B., M.A.
Instructor in Fine Arts 818 Second Street
- WILSON, FREDERICK ELIPHAZ, (1923) A.B., A.M.
Assistant Professor of German 1020 Demerius Street
- *WILSON, JOHN WOODROW, (1940) B.S., Ph.D.
Instructor in Zoology 1004 Monmouth Avenue
- WILSON, ROBERT NORTH, (1910) A.B., M.S.
Professor of Chemistry 822 Third Street
- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D., LL.D.
Professor of Political Science 717 Anderson Street
- WISE, NANCY BOWMAN, (1937) A.B., M.D.
*Associate and James A. Greene Research Fellow
 in Medicine* University Apartments
- WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D.
Professor of Botany 924 Urban Avenue
- *WOODHALL, BARNES, (1937) A.B., M.D.
Assistant Professor of Surgery in charge of Neurosurgery Cole Mill Road
- WOODY, ROBERT HILLIARD, (1929) Ph.B., A.M., Ph.D.
Assistant Professor of History 2648 University Drive
- YOUNG, EDWARD HUDSON, (1923) A.B., A.M.
Assistant Professor of Romance Languages 10 Beverly Apartments
- YOUNGSTROM, KARL ARDEN, (1937) A.B., M.A., Ph.D.
Associate in Anatomy Fir Street
- ZENER, KARL EDWARD, (1928) Ph.B., A.M., Ph.D.
Associate Professor of Psychology Sparger Road
-
- AYRES, ERLE BINGHAM, (1941) S.B., A.M.
Instructor (Part-time) in Chemistry 2109 Chapel Hill Road
- BATCHELDER, MARION FRANCIS, (1930) R.N.
Instructor in Nursing Administration and Supervision Duke Hospital
- BOAS, MARY LAYNE, (1940) B.S., M.S.
Instructor (Part-time) in Mathematics 2708 Legion Avenue
- BUSSELL, WILSIE FLORENCE, (1942), A.B., A.M.
Instructor (Part-time) in Romance Languages 816 Watts Street
- CARPENTER, JAMES M., (1938) Ph.D.
Instructor (Part-time) in English 603 Watts Street
- †CHAFFIN, NORA CAMPBELL, (1936) A.B., A.M.
Instructor (Part-time) in History Faculty Apartments

* On active duty, U. S. Army.

† Absent on leave, second semester, 1941-1942.

HOSACK, ROBERT EWING, (1941) A.B., A.M. <i>Instructor (Part-time) in Political Science</i>	1001 Virgie Street
KING, ARDEN ROSS, (1942) A.B. <i>Instructor (Part-time) in Sociology and Anthropology</i>	Duke University
‡MARTIN, WILLARD EDGAR, JR., (1937) A.B., A.M. <i>Instructor (Part-time) in English</i>	812 Wilkerson Avenue
NAU, WALTER THEODORE, (1942) A.B., A.M. <i>Instructor in German</i>	Duke University
WEITH, A. JAMES, (1941) A.B., A.M. <i>Instructor (Part-time) in Chemistry</i>	Duke University

RESEARCH ASSOCIATES

BRESLOW, DAVID SAMUEL B.S., College of the City of New York; Ph.D., Duke University	Chemistry	Durham, N. C.
DARKIS, FREDERICK RANDOLPH B.S., M.S., Ph.D., University of Maryland	Chemistry	1211 Alabama Avenue
DAVIS, ROSE M. B.A., Ph.D., Duke University	Chemistry	Durham, N. C.

INSTRUCTIONAL ASSISTANTS

ALTER, ROBERT LEONHARDT, (1939) M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
*ANDERSON, RAYMOND BURK, (1941) A.B., M.D. <i>Assitant in Pediatrics</i>	Duke Hospital
BABCOCK, KENWARD OLIVER, (1942) A.B., M.D. <i>Assistant in Pathology</i>	Duke Hospital
BEARD, DOROTHY WATERS, (1938) R.N. <i>Research Assistant in Experimental Surgery</i>	Hillsboro, N. C.
BENBOW, EDWARD PERRY, JR., (1941) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
*BRANNING, WILLIAM STERRY, (1940) B.S., A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
*BROWN, IVAN WILLARD, JR., (1940) B.S., M.D. <i>Assistant in Pathology</i>	Duke Hospital
BRYSON, EDWIN CONSTANT, (1931) <i>Assistant in Legal Aid Clinic</i>	1023 Sycamore Street
CARROLL, R. CHARMAN, (1940) A.B., M.D. <i>Assistant in Psychiatry</i>	Duke Hospital
COOPER, GERALD RICE, (1942) A.B., M.A., Ph.D. <i>Research Associate in Experimental Surgery</i>	2105 Chapel Hill Road
CRAIG, JANE STANLEY, (1938) A.B. <i>Research Assistant in Anatomy</i>	919 Monmouth Avenue
DAVIS, CLARENCE DANIEL, (1942) S.B., M.D. <i>Fellow in Endocrinology</i>	2304 Erwin Road
DAVISON, ATALA THAYER SCUDDER, (1942) A.B., M.D. <i>Assistant in Pediatrics</i>	Hope Valley
DUBIN, ISADORE NATHAN, (1942) B.S., M.D., C.M. <i>Assistant in Pathology</i>	Duke Hospital

‡ Resigned, June 30, 1942.

* On active duty, U. S. Army.

EDGERTON, GLENN SONDEES, (1942) B.S., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
EDWARDS, JOSEPH PHILIP, (1942) <i>Laboratory Technician in Electrical Engineering</i>	2115 Englewood Avenue
*EDWARDS, LINUS MATTHEW, JR., (1940) D.D.S. <i>Assistant in Dentistry</i>	Duke Hospital
ERICKSON, JOHN OTTO, (1939) B.S. <i>Research Assistant in Biochemistry</i>	Duke Hospital
GILBERT, GEORGE GAYLAND, (1939) B.S., M.D. <i>Assistant in Urology</i>	1500 Duke University Road
GOETSCH, MARGARET LOUISE, (1942) A.B., M.D. <i>Assistant in Pediatrics</i>	Duke Hospital
GOODMAN, ELIZA DOROTHY, (1934) R.N., Anes. <i>Assistant in Anesthesia</i>	407 Cook Street
GOODMAN, ERASTUS GENAIR, JR., (1940) M.D. <i>Assistant in Medicine</i>	Duke Hospital
*HIATT, JOSEPH SPURGEON, JR., (1940) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
*HOLLISTER, WILLIAM FREDWIN, (1938) M.D. <i>Assistant in Surgery</i>	Duke Hospital
HUFF, JESSE W., (1940) B.S. <i>Nutrition Foundation Fellow in Biochemistry</i>	Duke Hospital
JOHANNESSON, KRISTJAN, (1942) M.D. <i>Rockefeller Foundation Fellow in Medicine</i>	Duke Hospital
JOHNSON, LAWRENCE CLIFFORD, (1940) B.A. <i>Fellow in Sociology</i>	Duke Hospital
KAMIN, HENRY, (1940) B.S. <i>Research Assistant in Biochemistry</i>	Duke Hospital
*KERNODLE, HAROLD BARKER, (1939) M.D. <i>Assistant in Surgery</i>	Duke Hospital
KERNODLE, JOHN ROBERT, (1942) A.B., M.D. <i>Assistant in Pathology</i>	Duke Hospital
KNIGHT, ALTON J., (1938) A.B., LL.B. <i>Assistant in Legal Aid Clinic</i>	Carver Street (Ext.)
KRISTOFERSSON, KRIDRIK, (1942) M.D. <i>Rockefeller Foundation Fellow in Medicine</i>	Duke Hospital
*LINCICOME, ROBERT CARL, (1939) M.D. <i>Assistant on Private Medical Service</i>	Duke Hospital
LOVELL, DURWARD LEE, (1937) M.D. <i>Assistant in Surgery</i>	1115 W. Chapel Hill Street
*MCCULLOCH, RUDOLPH POWERS, (1941) A.B., M.D. <i>Assistant in Student Health</i>	Duke Hospital
MCLEAN, RUTH, (1942) A.B., A.M. <i>Research Associate in Bacteriology</i>	506 Buchanan Boulevard
MARGOLIS, GEORGE, (1940) A.B., M.D. <i>Assistant in Pathology</i>	Duke Hospital
MASON, MARY LOCHER, MRS., (1931) Diploma in Fine Arts, Teachers College, Columbia University <i>Assistant in Education</i>	Route No. 2, Durham, N. C.

* On active duty, U. S. Army.

MEIRA, JAO ALVES, (1942) B.A., M.D. <i>Rockefeller Foundation Fellow in Medicine</i>	Duke Hospital
MILLER, CHARLES HENDERSON, (1934) A.B., LL.B. <i>Assistant in Legal Aid Clinic</i>	2108 Club Boulevard
NEILL, ROBERT GLEVE, (1942) A.B., M.A., M.D. <i>Assistant in Surgery</i>	1500 Duke University Road
*NEWMAN, GLENN CARRAWAY, (1939) <i>Assistant in Medicine</i>	Duke Hospital
NICHOLSON, FRANCIS, (1942) B.S., M.D. <i>Assistant in Surgery</i>	Duke Hospital
PARRISH, ALBERT ARCHER, (1939) A.B., M.D. <i>Assistant in Urology</i>	1002 Lamond Avenue
PRINDLE, RONALD EDON, (1942) B.A., M.D. <i>Assistant in Otolaryngology and Ophthalmology</i>	2308 Erwin Road
RANDELL, ELISABETH CATHERINE, (1942) M.B., B.S. <i>Assistant in Biochemistry</i>	Duke Hospital
ROSS, IRA STANLEY, (1939) A.B., M.D. <i>Assistant in Neuropsychiatry</i>	Duke Hospital
SALMON, A. AUSTIN, (1941) B.S. <i>Research Fellow in Endocrinology</i>	1309 Alabama Avenue
*SCHANHER, PAUL WELSTEAD, JR., (1939) B.A., M.D. <i>Assistant in Surgery</i>	Duke Hospital
SCHLAYER, CLOTILDE, (1937) Ph.D. <i>Research Assistant in Medicine</i>	Duke Hospital
SIMPSON, PAUL ERVIN, (1941) A.B., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
SINGLETON, MARY CLYDE, (1940) B.S., P.T. <i>Assistant in Physiotherapy</i>	Duke Hospital
SMITH, PRESTON WILLIAM, (1932) <i>Assistant in Clinical Microscopy</i>	114 E. Seeman Street
SMITH, STEDMAN WEST, (1941) A.B., M.D., C.M. <i>Assistant in Obstetrics and Gynecology</i>	2507 Chapel Hill Road
TRENT, JOSIAH CHARLES, (1939) A.B., M.D. <i>Assistant in Surgery</i>	2318 Club Boulevard
TUDOR, RICHARD BERESFORD, (1941) A.B., M.D. <i>Assistant in Pediatrics</i>	1107 Watts Street
TURNER, LARRY, (1942) A.B., M.D. <i>Assistant in Otolaryngology and Ophthalmology</i>	Duke Hospital
VASQUEZ, MAXIMO SCHEPELER, (1941) A.B., M.D. <i>Pan-American Sanitary Bureau Fellow in Pediatrics</i>	Duke Hospital
WEEKS, KENNETH DURHAM, (1942) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
WELLS, WARNER LEE, (1938) M.D. <i>Assistant in Surgery</i>	2703 Legion Avenue

* On active duty, U. S. Army.

WILSON, DAVID ALEXANDER, (1942) B.A., M.A., M.D. <i>Assistant in Surgery</i>	Duke Hospital
WILSON, JAMES MAZYCK, (1938) A.B., M.D. <i>Assistant in Obstetrics and Gynecology</i>	818 Buchanan Road

INSTRUCTIONAL ASSISTANTS IN PHYSICAL EDUCATION
TRINITY COLLEGE

CALDWELL, HERSCHEL, (1930) <i>Instructor in Physical Education; Coach of Freshman Sports</i>	1023 Markham Avenue
CARD, WILBUR WADE, (1902) A.B. <i>Instructor in Physical Education</i>	1110 Minerva Avenue
CHAMBERS, ROBERT LUTHER, (1933) B.S. in Ed. <i>Instructor in Physical Education; Head Coach of Varsity Track</i>	2311 Prince Street
COOMBS, JOHN WESLEY, (1929) B.S. <i>Instructor in Physical Education; Head Coach of Varsity Baseball</i>	Faculty Apartments
COX, ROBERT CALVIN, (1942) A.B., M.A. <i>Instructor in Physical Education; Assistant in Football</i>	709 Shepherd Street
CRICHTON, MARSHALL, (1931) <i>Instructor in Golf</i>	Hope Valley
*DEAN, DAYTON ROBERT, (1931) A.B. <i>Business Manager of Athletics</i>	2207 Pershing Street
**FOGLEMAN, WILLIAM HARRY, (1935) A.B. <i>Instructor in Physical Education; Coach of Tennis</i>	2417 Farthing Street
GERARD, KENNETH, (1931) B.S. <i>Instructor in Physical Education; Director of Intramural Sports</i>	1209 North Duke Street
HAGLER, ELLIS, (1930) A.B. <i>Instructor in Physical Education; Coach of Varsity Golf; Assistant Coach of Football</i>	220 Forest Wood Drive
**LEWIS, HUBERT MURRY, (1937) B.S. <i>Assistant Instructor in Physical Education and Track</i>	Duke University
**MONTFORT, ROBERT, (1940) B.A. <i>Assistant Instructor in Physical Education</i>	Duke University
PERSONS, WALTER, (1930) A.B. <i>Instructor in Physical Education; Coach of Swimming; Coach of Lacrosse</i>	612 Swift Avenue
POTTER, HARVEY L., (1940) B.A. <i>Instructor in Physical Education; Coach of Wrestling</i>	2200 University Drive
STANLEY, DENNIS KEITH, (1939) A.B.E., M.Ed. <i>Instructor in Physical Education; Assistant Coach of Football</i>	132 Pinecrest Road

* On active duty, U. S. Navy.

** On active duty, U. S. Army.

THE UNIVERSITY LIBRARIES

UNIVERSITY LIBRARY

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University Librarian 921 Monmouth Avenue

BREEDLOVE, JOSEPH PENN, A.B., A.M.
Librarian Emeritus 407 Watts Street

MERRITT, GERTRUDE, A.B.
Chief of Processing Division 1907 Club Boulevard

NUERMBERGER, GUSTAVE ADOLPH, A.B., A.M., Ph.D.
 Certificate of Librarianship
Head Reference Librarian 2018 Woodrow Street

OYLER, HELEN, A.B., B.S. in L.S.
Head Circulation Librarian 512 Watts Street

TAUBE, MORTIMER, A.B., Ph.D., Certificate of Librarianship
Chief of Accessions 1109 North Gregson Street

TILLEY, NANNIE M., A.B., M.A., Ph.D.
Curator of Manuscripts 2313 Club Boulevard

WESCOTT, MARY, A.B., B.S. in L.S.
Head Cataloger 1008 Monmouth Avenue

COVINGTON, LENA, A.B., A.B. in L.S.
Head Classifier 1008 Monmouth Avenue

GREENE, JANE, A.B., B.A. in L.S.
Head Order Librarian 1004 West Trinity Avenue

HOPKINS, BERTHA, B.S., A.B. in L.S.
Head Serials Librarian N 2-A University Apts.

KIMBALL, MRS. RALPH, A.B., B.S. in L.S.
Subject Cataloger 2112 Wilson Street

PARKER, WIXIE ELMA, A.B., B.S. in L.S.
Periodical Librarian No. 7 Powe Apts., Watts Street

RAMAGE, MARY ALLENE, A.B., B.A. in L.S.
Newspaper Librarian 1003 Monmouth Avenue

BITTING, MARY ELIZABETH, A.B., M.A., A.B. in L.S.
Bibliographer and Secretary to the Chief of Accessions 2105 Club Boulevard

BURCH, VELLA JANE, A.B., A.M., B.A. in L.S.
Descriptive Cataloger 316 N. Elizabeth Street

CANADA, MARY WHITFIELD, A.B., M.A.
Assistant, Circulation Department 1311 Second Street

CLINE, JOHN
Assistant, Circulation Department 405 S. Alston Avenue

COPLEY, HILDA <i>Assistant in charge, Work Room</i>	1005 Sixth Street
COX, MRS. EVA WOODALL, A.B. <i>Librarian in charge, Divinity School Library</i>	No. 4 Allenton Apts.
COX, VIRGINIA E., A.B. <i>Librarian in charge, Chemistry Library</i>	1017½ Gloria Avenue
DOUGLAS, ELINOR, A.B., M.A. <i>Assistant, Periodical Room</i>	2114 Myrtle Avenue
DUDLEY, MRS. KATHLEEN MAULTSBY, A.B. <i>Accessions Librarian</i>	1314 Broad Street
DUKE, MRS. KENNETH L. <i>Secretary to the University Librarian</i>	701 Club Boulevard
FRAZIER, ROSE MARIE, B.S., B.M., A.B. in L.S. <i>Librarian in charge, Undergraduate Reading Room</i>	1107 Watts Street
FREY, CHARLOTTE <i>Assistant, Order Section</i>	819 Third Street
FREY, ELLEN, B.A., M.A. <i>Undergraduate Reference Librarian and Curator of Rare Books</i>	819 Third Street
GOODWIN, NOMA LEE, A.B. <i>Assistant, Manuscript Department</i>	Roxboro Road
HARRIS, MRS. BERNICE M. <i>Assistant, Descriptive Cataloging Section</i>	Duke University
HIX, MRS. EDWIN <i>Assistant, Work Room</i>	127 Exum Street
KENNEDY, VIRGINIA <i>Assistant in charge, Physics-Mathematics Library</i>	2416 Huron Street
KIRKLAND, DOROTHY, A.B. <i>Assistant, Descriptive Cataloging Section</i>	208 Jones Street
LYONS, MARJORIE <i>Librarian in charge, Engineering Library</i>	Duke University
MACMILLAN, LOUISE <i>Assistant, Serials Section</i>	1414 Dollar Avenue
MONTAGUE, MARGARET, A.B. <i>Assistant, Serials Section</i>	206 Parrish Place
POOLE, MARY ELIZABETH, A.B., B.A. in L.S. <i>Librarian in charge, Documents Room</i>	407 Watts Street
SAUNDERS, MRS. VERINA, B.S., M.A. <i>Assistant, Reference Department</i>	819 Third Street
SCARLETT, DORA PAGE, A.B. <i>Assistant, Order Section</i>	922 Englewood Avenue
SEIGLER, MRS. M. B., A.B. <i>Bibliographer and Descriptive Cataloger</i>	1311 Arnette Avenue
SHUFORD, MARY OPAL, A.B., A.B. in L.S. <i>Bibliographer and Descriptive Cataloger</i>	805 Sixth Street
SNIPES, ELIZABETH B., A.B. <i>Assistant, Undergraduate Reading Room</i>	1011 Monmouth Avenue
SNYDER, MRS. RALPH W., A.B. <i>Assistant, Descriptive Cataloging Section</i>	Duke University

- TAGGART, EMMA LOU, A.B., B.S. in L.S.
Reference Librarian and Subject Cataloger 1001 Monmouth Avenue
- THARPE, JOSEPHINE M., A.B., B.S. in L.S., M.A. in L.S.
Documents Librarian 1023 Markham Avenue
- UNGER, MRS. A. K., A.B.
Assistant, Descriptive Cataloging Section Duke University
- WATKINS, MRS. MARJORIE STALLCUP
Librarian in charge, Biology Library 1017 Gloria Avenue
- WILKERSON, MRS. LUTHER C.
Secretary to the Librarian Emeritus 505 Yates Avenue

WOMAN'S COLLEGE LIBRARY

- GRIGGS, LILLIAN BAKER, MRS., B.A. in L.S.
Librarian 915 Monmouth Avenue
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- HARRISON, EVELYN JENNINGS, A.B., B.S. in L.S.
Head Cataloger 1008 Monmouth Avenue
- HICKS, MRS. SPEARS, A.B., A.B. in L.S.
Reference Librarian 121 West Seeman Street
- LUNSFORD, NONIE, A.B.
Assistant, Circulation Department 1401 Maryland Avenue
- PARKER, ENID, A.B., M.A., Ph.D., B.A. in L.S.
Periodicals Librarian 307 Faculty Apartments
- SHEPARD, ELIZABETH, A.B., A.B. in L.S.
Cataloger 703 Watts Street
- TILLETT, MARGARET S., A.B., A.B. in L.S.
Circulation Librarian 112 West Seeman Street

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- DAY, KATHERINE, B.S.
Assistant Cataloger 512 Watts Street
- LONG, MARIANNA, A.B., B.S. in L.S.
Head Cataloger 1008 Monmouth Avenue
- BETHEA, LOUISE
Assistant in Order Division 1023 Gloria Avenue

MEDICAL SCHOOL LIBRARY

- FARRAR, JUDITH, A.B., B.S.
Librarian 177 Faculty Apartments, East Campus

* Absent on leave, Government Service.

† Absent on leave, 1942-1943.

UNIVERSITY CHAPEL

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D.
Dean of the Chapel 823 Buchanan Road

BARNES, JAMES FOSTER, A.B., A.M.
Director of Choral Music 2401 Cranford Road

BREES, ANTON
University Carillonneur Duke University

BROADHEAD, EDWARD HALL, A.B., A.M., M.M.
University Organist 1015 Dacian Avenue

BABCOCK, FARRAR JEANNE, A.B.
Assistant in Religious Activities, Woman's College 203 Watts Street

MACKAY, DONALD MASON, A.B.
Assistant in Religious Activities Duke University

PHYSICAL EDUCATION AND STUDENT HEALTH

*WADE, WALLACE, A.B.
Director of Physical Education, Trinity College West Campus

CAMERON, EDMUND McCULLOUGH, A.B.
Acting Director of Physical Education, Trinity College Hope Valley

GROUT, JULIA REBECCA, A.B., M.S.
*Assistant Professor of Physical Education,
 Woman's College* 205 Jones Street

SPEED, JOSEPH ANDERSON, M.D.
Director of Student Health 913 Dacian Avenue

PAGE, WRAY RAMSEY, MRS., R.N.
Resident Nurse East Campus Infirmary

†VENNING, LAURA EUGENIA ROSS, A.B., M.D.
Resident Physician, Woman's College Duke University

VESTAL, MOZELLE, R.N.
Resident Nurse East Campus Infirmary

MUSICAL ACTIVITIES

BARNES, JAMES FOSTER, A.B., A.M.
Director of Men's Glee Club 2401 Cranford Road

BARNES, MRS. JAMES FOSTER
Director of the Woman's College Musical Clubs 2401 Cranford Road

FEARING, ROBERT BEVERIDGE
Director of the College Orchestras and Band 410 Watts Street

* On active duty, U. S. Army.

† Resigned, June 30, 1942.

RESIDENCE AND SOCIAL DIVISION

WILSON, MARY GRACE, A.B. <i>Dean of Residence, Woman's College; Counselor, Brown House</i>	Brown House
DITLEVSON, ARLINE, A.B., A.M. <i>Assistant to Dean of Residence; Counselor, Aycock House</i>	Aycock House
PEMBERTON, MRS. MARY NORCOTT <i>Hostess, West Campus</i>	West Campus Union
BARNES, EVELYN, B.S. <i>Counselor, Alsbaugh House</i>	Alsbaugh House
*CHAFFIN, NORA CAMPBELL, A.B., A.M. <i>Counselor, Bassett House</i>	Bassett House
HULL, ALMA, A.B. <i>Counselor, Pegram House</i>	Pegram House
TAYLOR, MRS. HARRIET <i>Counselor, Giles House</i>	Giles House
WELLBORN, MARY MOSS <i>Counselor, Jarvis House</i>	Jarvis House
POWELL, VIRGINIA, B.S. <i>Dietitian, the Union, West Campus</i>	214 Swift Avenue
OLIVER, MRS. HELEN <i>Dietitian, the Union, East Campus</i>	Corner Fairview and Wells Streets
NORWOOD, MRS. G. D. <i>Dietitian, Southgate Hall</i>	204 Watts Street
BORING, MRS. HAL <i>Supervisor of Dormitories, West Campus</i>	115 Watts Street
HOOKE, MRS. MARY R. <i>Supervisor of Dormitories, East Campus</i>	Powe Apartments, Buchanan Road
LEA, MRS. BEULAH C. <i>Supervisor of Dormitories, West Campus</i>	1920 Chapel Hill Road
LONG, MRS. R. T. <i>Supervisor of Dormitories, West Campus</i>	705 Shepherd Street
MARTIN, MRS. LILLY SLADE <i>Supervisor of Dormitories, West Campus</i>	2011 Woodrow Street
WEGENER, MRS. MARY E. <i>Supervisor of Dormitories, East Campus</i>	Powe Apartments, Buchanan Road
ALDRIDGE, FRED SOULE, A.B., A.M. <i>Chaplain of Duke Hospital and Director of the Golden Cross</i>	East Campus

FELLOWS AND GRADUATE ASSISTANTS

UNIVERSITY FELLOWS

Name	Department	Home Address
BARNES, GEORGE HECTOR B.Sc.F., University of Washington; M.S., University of California	Forestry	Durham, N. C.

* Absent on leave, second semester, 1941-1942.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
BAUMGARTEN, ERWIN B.S., California Institute of Technology; A.M., University of California at Los Angeles	Chemistry	Pasadena, Calif.
GRANA, CESAR SORIA A.B., University of Lima	History	Lima, Peru
*KOZLOWSKI, THEODORE THOMAS B.S., Syracuse University; A.M., Duke University	Forestry	Buffalo, N. Y.
LINSCHITZ, HENRY B.S., College of the City of New York; A.M., Duke University	Chemistry	New York, N. Y.
MAGALHAES, HULDA B.S., New Jersey College for Women; A.M., Mount Holyoke College	Zoology	Hopewell, N. J.
MASSEY, CALVIN LEROY B.S., Colorado State College; A.M., Duke University	Forestry	Durham, N. C.
MOSER, HAROLD EUGENE B.S., Johns Hopkins University; A.M., Columbia University	Education	Frederick, Md.
MUNGER, BERNARD VERNON A.B., Washburn Municipal University; B.D., Chicago Theological Seminary	Religion	Smith Center, Kan.
SAUNDERS, ERNEST WILLIAM B.S. in R.E., S.T.B., Boston University	Religion	Durham, N. C.
SOODAK, HARRY B.S., College of the City of New York; A.M., Columbia University	Physics	Bronx, N. Y.
WELLWOOD, ROBERT WILLIAM B.A.Sc. in F.E., University of British Columbia; M.F., Duke University	Forestry	Victoria, B. C., Canada

GRADUATE RESEARCH ASSISTANTS

DEAL, CARL HOSEA, JR. B.S., Duke University	Chemistry	Salisbury, N. C.
FIELD, FRANK HENRY B.S. Duke University (to be conferred May, 1943)	Chemistry	Edgewater, N. J.
FREISER, HENRY B.S., College of the City of New York; M.A., Duke University	Chemistry	New York, N. Y.
GILBERT, ALFRED RACHELS B.S., University of Richmond	Chemistry	Richmond, Va.
HOLUB, FREDERICK FRANK B.S., Western Reserve University	Chemistry	Cleveland, Ohio
KITTLA, RICHARD S. B.Chem., University of Minnesota	Chemistry	Ely, Minn.
RAPOPORT, LORENCE A.B., Harvard University	Chemistry	Hartford, Conn.
SCHERAGA, HAROLD ABRAHAM B.S., College of the City of New York; M.A., Duke University	Chemistry	Brooklyn, N. Y.
TARRANT, PAUL B.S., Howard College; M.S., Purdue University	Chemistry	Birmingham, Ala.
TOMPSON, READE YATES B.S., Brown University	Chemistry	Attleboro, Mass.
YOST, ROBERT STANLEY B.S., Pennsylvania State College	Chemistry	Pottsville, Pa.

* Resigned, November 1, 1942.

GRADUATE ASSISTANTS

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
ADAMS, JOE TAYLOR B.S., Southern Methodist University	Chemistry	Dallas, Tex.
AMORE, SALVATORE THOMAS A.B., Brooklyn College; A.M., Duke University	Chemistry	Brooklyn, N. Y.
BARTON, ELEANOR PHILLIPS A.B., Woman's College of U. N. C.; A.M., Columbia University	Zoology	Greensboro, N. C.
BASS, ARNOLD M. B.S., College of the City of New York	Physics	New York, N. Y.
BEVAN, WILLIAM, JR. A.B., Franklin and Marshall College	Psychology	Wilkes-Barre, Pa.
BINNS, ELIZABETH FEARY A.B., Florida Southern College; A.M., Duke University	English	Winter Haven, Fla.
BLOOM, MELVIN SIGMUND B.S., Furman University	Chemistry	Greenville, S. C.
BOLLENS, JACK CONSTANTINUS A.B., College of Wooster	Political Science	Pittsburgh, Pa.
**BRYAN, GEORGE COCHRANE A.B., Williams College	Political Science	Durham, N. C.
BRYAN, WILLIAM ALFRED A.B., College of Charleston; A.M., Duke University	English	Sumter, S. C.
BUCHANAN, EDITH A.B., Meredith College	English	Cullowhee, N. C.
CHAO, SHIH HUI A.B., Fu Jen University	Sociology	Peiping, China
CHESNUT, DORIS RAY B.S., Farmville State Teachers College	Political Science	Durham, N. C.
*CLARK, MARTHA LOUISE B.S., Sweet Briar College	Zoology	Lynchburg, Va.
†DEAL, CARL HOSEA, JR. B.S., Duke University	Chemistry	Salisbury, N. C.
†DIAMOND, STANLEY STUART A.B., University of Wichita; A.M., Haverford College	Political Science	Wichita, Kan.
¶EARLY, BENJAMIN WEISIGER A.B., A.M., University of Virginia	English	Richmond, Va.
‡EDMESTON, RHODA CHRISTENA A.B., University of Denver; A.M., Ph.D., Boston University	Romance Languages	Blyth, Ontario, Canada
FRAZIER, KATHRYN ELEANOR B.S., New Jersey State Teachers College at Glassboro	Education	Haddonfield, N. J.
FRIES, JEAN NEVIN A.B., Wilson College	English	Chambersburg, Pa.

** Resigned, March 5, 1943.

|| Resigned, February 25, 1943.

* Resigned, January 23, 1943.

† First semester only.

¶ Resigned, January 18, 1943.

‡ Second semester only.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
HARTLEY, HOPE CARLIN A.B., University of Wisconsin	Botany	Washington, D. C.
HERTZ, HILDA A.B., Skidmore College	Sociology	Los Angeles, Calif.
*HICKEY, ROBERT LOUIS B.S., East Tennessee State Teachers College; A.M., Duke University	English	Johnson City, Tenn.
*HUNTER, CHARLOTTE ELIZABETH A.B., Agnes Scott College	English	Decatur, Ga.
HUNTLEY, ARTHUR GENE A.B., Willamette University	Economics	Salem, Ore.
†JORDAN, CHARLES DANIEL A.B., East Carolina Teachers College; A.M., George Peabody College	Zoology	Greenville, N. C.
KAO, KATHERINE CH'UN CH'UN A.B., A.M., Yenching University	Psychology	Peiping, China
KARR, MARY FRANCES B.S.Ed., University of Akron	Education	Akron, Ohio
KINSMAN, MARGARET ELEANOR A.B., MacMurray College	History	Saybrook, Ill.
KNIGHT, WALTER DAVID, JR. A.B., Middlebury College	Physics	Newton Centre, Mass.
LAUDERDALE, RICHARD LYNN A.B., Millsaps College	Economics	Jackson, Miss.
LEVINE, ROBERT A.B., A.M., Dartmouth College	Chemistry	East Boston, Mass.
‡LIVINGSTON, MARTHA ALIDA COMSTOCK A.B., Smith College	Botany	Lynn, Mass.
*LOVELAND, CLARA OLDS A.B., Wellesley College; A.M., Columbia University; B.D., Berkeley Divinity School	Religion	Glendale, Ohio
LUBORSKY, LESTER BERNARD A.B., Temple University	Psychology	Philadelphia, Pa.
LYONS, RICHARD EDWIN A.B., University of Buffalo	Physics	Buffalo, N. Y.
MCANDREW, FLORENCE HELTON A.B., Mary Baldwin College; A.M., Northwestern University	Psychology	Chicago, Ill.
MARTIN, MARY MERCEDES A.B., Marshall College	Psychology	Huntington, W. Va.
MEDDING, MARY ELIZABETH A.B., University of Chattanooga	Romance Languages	Memphis, Tenn.
MILLER, VIVIAN LORELEI A.B., Brooklyn College	English	Brooklyn, N. Y.
MORRIS, CLARA JUANITA A.B., Berea College	Economics	Benham, Ky.

* Second semester only.

† Resigned, November 30, 1942.

‡ Resigned, March 15, 1943.

|| Resigned, January 20, 1943.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
OGLESBY, ROSCOE RALPH A.B., Georgetown College; A.M., University of Virginia	Political Science	Lynchburg, Va.
PARKS, ELIZABETH MIRIAM A.B., Grinnell College	English	Denver, Colo.
PATRICK, CLARENCE HODGES A.B., Wake Forest College; B.D., Andover Newton Theological School	Sociology	Durham, N. C.
PIRKLE, EVA ANN A.B., Agnes Scott College	Mathematics	Decatur, Ga.
*PO-CHEDLEY, DONALD STEPHEN B.S., Canisius College	Zoology	Buffalo, N. Y.
POHL, MARIAN EVELYN B.S., Duke University	Zoology	Trenton, N. J.
†RAPPAPORT, LEAH JANE A.B., Queens College	English	Hollis, N. Y.
RICHARDS, CLAUD HENRY, JR. A.B., Texas Christian University; A.M., Duke University	Political Science	Fort Worth, Tex.
‡ROGERS, HOLLIS JETTON B.S., Murray State Teachers College; M.S., University of Kentucky	Botany	Stearns, Ky.
ROSS, WILLIAM DEE, JR. A.B., Millsaps College	Economics	Crystal Springs, Miss.
SCHAEDELER, FRANCES ANN CRAIGHEAD A.B., Randolph-Macon Woman's College; A.M., Duke University	Latin	Lynchburg, Va.
[SCHERAGA, HAROLD ABRAHAM B.S., College of the City of New York; A.M., Duke University	Chemistry	Brooklyn, N. Y.
¶SCHNEIDER, LEONARD STANLEY A.B., A.M., Pennsylvania State College	Economics	Pittsburgh, Pa.
SHIVERS, JOSEPH CLOIS, JR. B.S., Duke University	Chemistry	Riverton, N. J.
SMITH, EDWIN STUDLEY B.S., Furman University	Chemistry	Durham, N. C.
SPENCER, RALPH EDWIN B.S., University of Utah	Economics	Salt Lake City, Utah
STALLCUP, MARY JANE B.S., Duke University; A.B.L.S., Emory University	Physics	St. Petersburg, Fla.
TAYLOR, DONALD LAVOR B.S., M.S., Utah State Agricultural College	Sociology	Ephraim, Utah
**WAGGONER, BROOKS MILTON A.B., University of Arkansas; B.D., Duke University	Religion	Stillwell, Okla.
WEAVER, JAMES FREDERICK B.S., M.S., Bucknell University	Education	Lemoyne, Pa.
WIGGINS, ELIZABETH LEWIS A.B., Winthrop College; A.M., Duke University	English	Holly Hill, S. C.

* Resigned, November 30, 1942.

† Second semester only.

‡ Resigned, December 19, 1942.

¶ First semester only.

|| Resigned, October 31, 1942.

** Resigned, January 23, 1943.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
WIMBERLY, ROSAMONDE RAMSAY A.B., A.M., University of South Carolina	Sociology	Spartanburg, S. C.
WISSOW, LENNARD JAY B.S., Pennsylvania State College	Chemistry	Philadelphia, Pa.

GRADUATE SCHOLARS

BAKER, MAURY DAVISON, JR. A.B., University of Miami	History	Richmond, Va.
BUSSELL, WILSIE FLORENCE A.B., A.M., Duke University	Romance Languages	Durham, N. C.
CANDLER, FRANCES GODFREY A.B., Randolph-Macon Woman's College	History	Madison, Ga.
COME, DONALD ROBERT A.B., Michigan State College	History	Lansing, Mich.
† HENDERSON, HAROLD LEROY A.B., A.M., University of Kansas City	History	Oelwein, Iowa
HINSON, IVY MAY A.B., University of Georgia; A.M., University of North Carolina	Latin	Augusta, Ga.
LEE, RUTH MARJORIE A.B., Queens College	English	Queens, N. Y.
LOVING, GRACE EVELYN A.B., Woman's College of U. N. C.	English	Drakes Branch, Va.
MILLER, WILLIAM DURELL A.B. in Ed., University of Florida	History	Jacksonville, Fla.
MURRAY, ELLEN FENTON University of St. Andrews; A.M., University of Georgia	History	East Point, Ga.
* SALLEY, CLAUDIA LOUISE A.B., University of Tennessee	History	Hendersonville, N. C.
SAMUELS, OLGA LENORE A.B., Hunter College	Romance Languages	New York, N. Y.
TURNER, ANNE CLARA A.B., University of Georgia; A.M., Duke University	Latin	Albany, Ga.
WALKER, NELLE WILLIS A.B., Randolph-Macon Woman's College	History	Walhalla, S. C.
WARLICK, GEORGE CLIFTON, JR. A.B., Lenoir Rhyne College	Economics	Hickory, N. C.
WEITH, ARCHIE JAMES, JR. A.B., A.M., Duke University	Chemistry	Caldwell, N. J.
† WERBEL, BURTON A.B., New York University; A.M., Duke University	Chemistry	Newark, N. J.

† Resigned, January 23, 1943.

* Appointed, January 25, 1943.

|| Resigned, January 19, 1943.

† Resigned, January 20, 1943.

THE COLLEGES

GENERAL STATEMENT

Duke University offers in Trinity College, the Woman's College, and the College of Engineering three academic degrees for undergraduate work: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Civil, Electrical, or Mechanical Engineering.

TRINITY COLLEGE

Trinity College is the undergraduate college of arts and sciences for the men of Duke University and is situated on the West Campus along with the Graduate School of Arts and Sciences, the School of Law, the School of Medicine, the School of Nursing, the School of Forestry, and the Divinity School.

THE WOMAN'S COLLEGE

The Woman's College of Duke University is a college of arts and sciences within the University which provides for the instruction of undergraduate women as Trinity College provides for the instruction of undergraduate men.

THE COLLEGE OF ENGINEERING

Duke University, through the College of Engineering, offers standard four-year courses in civil, electrical, and mechanical engineering, with an aeronautics option for mechanical engineers.

THE LIBRARIES

The library resources of the University total 659,050 volumes, 817,753 manuscript pieces, and 1,421 books on microfilm. Sixty-six foreign and domestic newspapers and 2,110 periodicals are received currently.

The University Library, in which the bulk of the collection is housed, is centrally located on the West Campus. The main Reference and Reading Room on the second floor contains about 5,000 volumes of important reference works and the books on reserve for senior graduate courses. The Undergraduate Reading Room on the first floor contains a specially selected collection of books for general undergraduate reading and reference, together with the books on reserve for undergraduate courses. The Documents Room on the second floor gives students access to the official publications of the federal and state governments. Seniors, honor students, and others undertaking special studies may be admitted to the stacks to facilitate their work. Libraries in the Chemistry, Physics, Biology, College of Engineering, and Divinity School buildings are a special convenience for students in these fields.

The Woman's College Library, which is one of the dominant units of the Georgian architecture of the East Campus, contains approximately 54,138 volumes. Among these are the books most constantly needed in the undergraduate work of women students. An attractive feature of the Library is the Booklovers' Room, comfortably furnished, where on open shelves students may find the newest books in various fields.

Undergraduate students also have free access to the library collections of the Medical and Law Schools.

NAVAL RESERVE OFFICERS' TRAINING CORPS

The primary object of the Naval Reserve Officers' Training Corps is to provide systematic instruction and training in essential naval subjects for a group of selected students so that they may be qualified and available for duties as deck officers in the United States Navy. The work supplements other courses taken in the University.

Admission

Enrollment in the Naval Reserve Officers' Training Corps is entirely voluntary. Selection will be made from those students of the Freshman Class who are enrolled in V-12 U. S. Navy College Program, after the completion of two semesters of college work under that program. Selection will be based on the academic work and the personality of the candidate. First selection will be made as of approximately March 1, 1944.

Outline of Course

The Department of Naval Science and Tactics is an integral part of the University, and the courses in Naval Science and Tactics are on the same level and receive the same form of credit toward graduation as other courses in the University.

The course in Naval Science and Tactics is a four-semester course, beginning at the completion of two semesters of Freshman work. Satisfactory completion of each semester's work is necessary for continuance in the Unit.

The study of Navigation and other subjects included as a part of the course requires a basic knowledge of mathematics, including algebra, plain and solid geometry, and plain trigonometry. The two semesters of Freshman work will cover the required mathematics.

Uniforms, Books, and Equipment

Students in the course are furnished complete uniforms by the Navy Department. Students, however, provide themselves such items as collars, white shirts, black socks, and black shoes.

All books and equipment that the student needs in the course are lent to him without cost. A deposit of \$10.00 is required of each student to cover lost or damaged equipment. This deposit, or as much of it as remains, will be returned when the student severs his relation with the Unit.

Draft Status

All students enrolled will be enlisted in the U. S. Naval Reserve, will be on active duty, will receive regular Navy pay of grade, and will be furnished housing, board, instruction and medical attention at Government-expense. As members of the Naval Reserve they are exempt from the Selective Service and Training Act, but their stay in college is dependent upon satisfactory academic standing and good behavior, otherwise they will be sent to sea as apprentice seamen.

ADMISSION TO TRINITY COLLEGE AND THE WOMAN'S COLLEGE

Applicants may qualify for admission to Trinity College or the Woman's College as members of the Freshman Class or as students with advanced standing. Since the enrollment in the two colleges is limited, the Committee on Admissions will select the students who, in its opinion, are best qualified to benefit from the educational advantages which the colleges offer.

APPLICATION FOR ADMISSION

Application for admission to Trinity College should be made to the Secretary of Duke University, Duke Station, Durham, North Carolina, for transmittal to the Council on Admissions. Application for admission to the Woman's College should be made to the Committee on Admissions, College Station, Durham, North Carolina. Forms of application will be sent on request.

GENERAL REQUIREMENTS

Admission to Trinity College and to the Woman's College is dependent upon the ability, attainments, and character of the applicant. Each applicant must see that the Committee on Admissions receives a complete record of his work in secondary school or college, the required medical certificate, and satisfactory evidence of his good character and ability.

SPECIFIC REQUIREMENTS

An applicant for admission to the Freshman Class must present at least fifteen acceptable units of secondary school credit. A unit of credit is allowed for a subject of study pursued throughout an academic year at an accredited secondary school, if the course has demanded five recitations a week and the prescribed amount of work has been completed satisfactorily.

1. Twelve units must be in English, foreign language, history and social studies, mathematics, and natural science; and must include:
 - (a) English—3 units
 - (b) Algebra—1 unit
 - (c) Plane geometry—1 unit.
2. Three units may be in the subjects listed above or from those in the following table. The units indicate the maximum amount of credit acceptable in each subject:

SUBJECT	UNITS	SUBJECT	UNITS
Agriculture	2	Mechanical Drawing	2
Art	1	Music	1
Commercial Subjects	3	Physical Geography	1
Economics	1	Sociology	1
Household Economics	2	Woodworking, Machine Work.....	2

Other units offered in subjects not included in this list will be considered for acceptance on the basis of full statements transmitted with the applicant's record from the school recommending him.

ADMISSION BY CERTIFICATE

A graduate of an accredited school, who submits fifteen acceptable units of secondary school subjects, and is recommended by his principal, and otherwise meets the requirements of the Admissions Committee, may be admitted without examination. This certificate must be on blanks furnished by the College and signed by the principal of the school in which the applicant completed his course.

ADMISSION BY EXAMINATION

An applicant who presents fifteen acceptable units for admission from a nonaccredited school is required to validate these units by entrance examinations and such other tests as the College may prescribe.

ADMISSION WITH ADVANCED STANDING

A student of good character who has completed satisfactorily at least one full year of college work in an approved college may be admitted with advanced standing. He must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institutions, and have honorable dismissal from each institution previously attended. Credit for work completed will be determined in relation to the curriculum at Trinity College or the Woman's College.

A student enrolling for the Bachelor's degree who transfers from a junior college or from a four-year college not affiliated with the Southern Association, or a similar regional association, is under all circumstances required to continue for at least one semester in Trinity College or in the Woman's College the foreign language he presents for minimum graduation requirements.

A student who has transferred from a junior college or from a four-year college not affiliated with the Southern Association, or a similar regional association, must present laboratory notebooks in all science courses that are offered for advanced credit.

A student admitted with advanced standing will be given an average grade of "C" on the semester hours with which he is credited, provided his grades warrant it. In order to make his provisional classification final, he must pass during his first year of residence not less than the equivalent of four year-courses, with an average grade of "C" or higher.

The maximum amount of credit acceptable from a junior college is sixty semester hours.

No credit is given for work completed by correspondence and not more than six semester hours of credit are allowed for work done by extension. Any extension work accepted must be specifically approved by the Dean of the College.

ADMISSION FOR SPECIAL WORK

Upon the approval of the Dean, a student of mature age may be admitted for special work in such courses of instruction as he is qualified to take, but not as a candidate for a degree in a regular course unless he meets all requirements for admission.

READMISSION OF FORMER STUDENTS

A student who, following withdrawal from college, desires to return to the College, should apply to the Dean for readmission. If a student has completed during his absence from the College any undergraduate work in another institution of approved standing, he must submit an official transcript of this work, with a statement of honorable dismissal, from that institution.

PRELIMINARY TESTS AND EXAMINATIONS

During the orientation period all Freshmen are given placement tests in chemistry, English, mathematics, and the foreign language they are to take. On the results of these tests and general ability tests students are assigned to the proper sections of their respective academic subjects. Physical examinations are also given.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

GENERAL REGULATIONS

The requirements for the degree of Bachelor of Arts are designed to give the students such training in certain fundamental subjects as is essential for intelligent, educated citizens. The requirements also provide the opportunity for as wide an election as possible from courses of study which are both interesting and practically helpful in connection with vocations the students plan later to pursue.

Credit for one hundred and twenty semester hours on which an average grade of "C" must be made, is required for the degree of Bachelor of Arts in all groups. In addition to these requirements all candidates for the Bachelor of Arts must complete, with an average grade of "C" or better, physical education to the equivalent of six semester hours. In Trinity College the physical education requirement is completed by the end of the Sophomore year; in the Woman's College, by the end of the Junior year.

The Faculty has authorized the groups of studies below for the guidance of students in selecting the work required for graduation. A student is free to choose any group he may desire. The several groups are designed to be of special value in a chosen profession and at the same time to provide a well-balanced course of study. With the approval of the Dean a student may at any time transfer from one group to another. In such transfers, work done in one group and not prescribed in the other will count as general elective credit, but all work prescribed in the new group must be completed before the student can be graduated.

No student is permitted to take less than fourteen semester hours of work without special permission from the Dean; to take more than the normal load of work (fourteen to seventeen semester hours) unless his average grade in the preceding semester is "C" or above; or, under any conditions, to take more than nineteen semester hours of work, exclusive of required physical education.

On or before the date announced for the spring registration every student is required to designate the group in which he plans to graduate and to arrange his program of courses for the ensuing year. All students, when choosing courses, are urged to seek the advice of instructors in whose departments they expect to receive instruction. No course card is valid until it has the approval of the Dean.

SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Arts degree is limited to a maximum of thirty-six semester hours; with the exception that a student whose principal work is in the Departments of English, Economics, or Romance Languages may be permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester hours.

Candidates for the degree of Bachelor of Arts whose courses of study permit may elect work from the following subjects: engineering, not to exceed eighteen semester hours; forestry, not to exceed eighteen semester hours. The courses elected in these departments must be those approved by the Council on Undergraduate Instruction as appropriate for the Bachelor of Arts degree and published in the *Bulletin of Undergraduate Instruction*. The classification of these courses, as they affect divisions of concentration and restricted electives, is left to the student's major adviser and to the Dean.

No Senior may take for graduation credit any course primarily open to Freshmen; and no Junior may take for graduation credit more than one course primarily open to Freshmen. A list of these courses is published in the *Bulletin* under "Courses of Instruction."

Not more than one course of six or eight semester hours of credit in final fulfillment of the requirements for the degree of Bachelor of Arts in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
English 1-2	6
Natural Science	8
Economics, History, or Political Science.....	6
Religion	6

In addition to the above requirements, at least the third college year of a foreign language must be completed.

English 1-2, 6 s.h.—This requirement is normally met by the completion of English 1 and 2. However, a Freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for English 1-2.

Natural Science, 8 s.h.—A student who does not present for entrance an acceptable unit of science must take sixteen semester hours of science for graduation.

Economics, History, or Political Science, 6 s.h.—A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise he may fulfill this requirement in any one of the three subjects.

Foreign Language (third college year).—Students who begin their language requirements in college are expected to follow the sequence of courses

laid down by the department whose work they take and can omit only such course or courses as may be approved both by the department and the office of the Dean. If a Freshman presents for entrance four units of Latin, he may satisfy his language requirements by taking either two years of Latin or two years of Greek. In exceptional cases, on the recommendation of the department and with the approval of the Dean, a student who has completed the second college year of a language may satisfy the requirement in language by completing the first college year of another language.

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the Freshman year, and all of them, except foreign language and religion, by the end of the Sophomore year.

The courses primarily open to Freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under "Courses of Instruction."

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

GROUP I

GENERAL

This group is based on the traditional requirement for the degree of Bachelor of Arts. Students who choose it must complete the minimum uniform requirements for graduation; forty-two semester hours in a division of concentration, exclusive of courses open primarily to Freshmen (in the Division of the Natural Sciences a maximum of eight hours of Freshman work is permitted in the forty-two hours mentioned above); twelve semester hours of restricted electives in the other divisions; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty semester hours necessary for graduation. The departments of instruction, for purposes of concentration, are grouped in three divisions:

Humanities: English, Fine Arts, German, Greek, Latin, Music, Philosophy, Romance Languages.

Social Science and History: Economics, Political Science, Education, History, Religion, Sociology.

Mathematics, Psychology, and Natural Science: Botany, Chemistry, Geology, Mathematics, Physics, Psychology, Zoology.

The forty-two semester hours in the division of concentration must be distributed as follows: eighteen to twenty-four semester hours in a major department and eighteen to twenty-four semester hours in at least two other departments of the same division with a minimum of six semester hours in each department. The minimum number of hours required by the department for a major shall not include any course open primarily to Freshmen. Introductory courses above the Freshman level are to be counted or not at the discretion of the department concerned.

For purposes of concentration certain courses listed in the same department are considered as being in different departments; namely, courses

in French, Italian, and Spanish. Likewise, courses in economics and business administration are reckoned as being in different departments. Also a student taking his major work in English literature may count courses in English composition, dramatic technique, or public speaking as part of his related work in the same division.

The twelve semester hours of restricted electives must be taken in one or both of the divisions not chosen for concentration, with a minimum of six semester hours in any one department of these divisions.

Attention is called here to a special regulation governing all groups leading to the Bachelor of Arts degree which limits the amount of work a student, other than an Honors student, may take in any one department to a maximum of thirty-six semester hours, with the proviso that a student whose principal work is in the Departments of English, Economics, or Romance Languages is permitted to take additional work in sub-departments not to exceed a total in the department and the subdepartments of fifty-four semester hours.

The remaining hours necessary for graduation, after the minimum uniform requirements, the division of concentration, and the restricted electives are satisfied, are open as free electives.

On or before the date announced for the spring registration every Sophomore in the General Group should designate his division of concentration and his major department, and arrange under the guidance of an instructor in the major department his program of studies for the following year. He should obtain the instructor's written approval of all courses selected in the division of concentration before submitting his program to the Dean for final action. In like manner, upperclassmen will recheck their courses in their divisions of concentration each year with representatives of their major departments.

GROUP II

BUSINESS ADMINISTRATION

This group is designed for students who enter college with the purpose of engaging in some form of business activity after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year:	Economics 11,* Mathematics 3-4, or equivalent.
Sophomore Year:	Economics 51-52, 57-58, Political Science 61-62.
Junior Year:	Economics 138,** 143.
Senior Year:	Economics 153, 181-182.

In addition to the courses specified above, a student in this group must elect twenty-four semester hours from other courses in the Department. Six semester hours of this elective work shall be selected from courses

* This course is recommended but not required.

** With the permission of the Department, students specializing in accounting may substitute for this course one in that subject.

in the two-hundred group offered for Seniors and Graduates. With the permission of the Chairman of the Department students planning to take the examination to qualify as a Certified Public Accountant may be released from this requirement.

All elective work in economics must be approved in writing by the Director of Undergraduate Studies.

GROUP III

RELIGION

This group is designed for students who plan to enter the ministry or other religious work as a vocation after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Religion 1-2, History 1-2.

Sophomore Year: Religion (6 hours), Economics 51-52 or Political Science 61-62, English Literature (6 hours).

Junior Year: Religion (6 hours), Psychology 91, English 151-152.

Senior Year: Religion* (6 hours), Sociology (6 hours), Philosophy (6 hours).

GROUP IV

PRE-MEDICAL

Students qualifying for college graduation in this group must complete, in addition to the minimum uniform requirements, forty-two semester hours in a division of concentration (subject to the regulations of the General Group), twelve semester hours of restricted electives in one or both of the other divisions with at least six semester hours in one department, and certain specific requirements as noted below. These specific requirements may count as part of the divisional concentration (if the division of concentration is the Natural Sciences) or they may count as restricted electives if another division of concentration is chosen. The foreign language should be German or French, preferably the former and including German 107-108.

The normal division of concentration for students electing this group is that of the Natural Sciences. However, the student may elect any one of the other two divisions for his divisional concentration. In this case, it may be necessary for him to complete more than one hundred and twenty semester hours for his degree. If, however, the student chooses the Natural Sciences for his division of concentration, he is urged to take as much elective work as possible in the Divisions of the Social Studies and the Humanities.

Completion of English 1 and 2; Chemistry 1-2, 61-70, 151-152; Physics 51-52; and Zoology 1-2 will satisfy the minimum course recommendations

* Not more than six semester hours of electives may be taken in the Department of Religion.

of the Association of American Medical Colleges. Many medical schools advise the completion of additional courses in these and in other subjects. The pre-medical student should ascertain the requirements of the particular medical school that he expects to attend.

The following arrangement of the courses in science is suggested:

Freshman Year: Chemistry 1-2, Zoology 1-2, Mathematics 7-8, or equivalent.
 Sophomore Year: Chemistry 61-70, Physics 51-52.
 Junior Year: Chemistry 151-152.

GROUP V

COLLEGE TEACHING

This group is designed for students who plan to do work in a graduate school and teach in college. The required work consists of the minimum uniform requirements and the work specified below:

French and German through the second year of college work.* Since one of these languages may be taken through the third year of college work to satisfy the minimum uniform requirements, only the one not taken thus must be chosen to meet the conditions of this group.

Twenty-four semester hours of work in the major subject, exclusive of work in the subject offered primarily for Freshmen; twelve semester hours of work in related subjects approved by the student's Departmental Adviser; twelve semester hours in education, philosophy, and psychology, or in any one, not including any courses in secondary or elementary school methods.

Elective work, not to be taken in the major department, sufficient to complete the one hundred and twenty semester hours necessary for graduation.

At least twelve semester hours of the work taken in the Senior year must be in courses open only to Seniors and Graduates.

GROUP VI

PUBLIC SCHOOL TEACHING

This group is designed for two classes of students: (a) those who plan to teach in secondary schools; (b) those who plan to teach in elementary schools.

The required work consists of the minimum uniform requirements and the requirements listed under one of the classes below, according as the student expects to teach in a secondary school or in an elementary school.

CLASS A: SECONDARY SCHOOL TEACHING

Students in this class are required to take:

Eighteen semester hours in education of which three semester hours may be in general psychology. The work in education must include three semester hours in directed observation and practice teaching, three semes-

* Greek or Latin may be substituted for either French or German.

ter hours in educational psychology, and three semester hours in secondary education.

Six semester hours, three each, in materials and methods, in two fields of high-school teaching.

Work in the subject matter of the two subjects the student intends to teach, sufficient to satisfy the minimum requirements as listed in the table below :

English, twenty-four semester hours, to include the six of required work in composition, six in English literature, and six in American literature.

French, eighteen semester hours, based on the usual two units for admission.

German, Spanish, and Greek, the same requirements as for French.

History, eighteen semester hours, including six each in American, ancient and medieval, and modern European history, and six semester hours of economics or political science. It is recommended to prospective teachers of history and related subjects that they take elective work in sociology, geography, and at least a semester each in economics and political science.

Latin, eighteen semester hours based on the traditional four units for admission.

Mathematics, fifteen semester hours.

Music, thirty semester hours.

Physical Education, fifteen semester hours.

Science, thirty semester hours, including elementary courses in biology, chemistry, physics and geography or geology.

A student may prepare to teach only one high-school subject by taking a major of twenty-four semester hours in that subject (physical education excepted) in addition to the general required work in Class A, the required work in education and psychology, and the specifically required work in directed observation and materials and methods in the subject chosen. In physical education in the Woman's College the requirement for a major is thirty semester hours including three or four semester hours each of comparative anatomy and physiology.

Elective work sufficient to complete the one hundred and twenty semester hours for graduation. It is recommended that the elective work be chosen in the two subjects the student is preparing to teach and in the Division of Social Science, provided the total amount of work taken in any department may not exceed the total allowed in Group I.

Students who are preparing to teach are warned to read carefully the certification rules of the state in which they are going to teach and to advise fully with the Dean before electing courses in subjects they are preparing to teach. They are further warned to take their professional courses in the order outlined by the Department of Education, reserving for their Senior year courses in materials and methods and in directed observation and practice teaching.

At least twelve semester hours of the work in the Senior year must be in courses open only to Seniors or to Seniors and Graduates.

CLASS B: ELEMENTARY SCHOOL TEACHING

Students in this class conform to the general requirements of Group I. Education is treated as a major department, and the Social Science Division as the division of concentration. In addition to the general requirements of Group I, the following specific requirements must be met :

	S.H.
English	3 or 6
American History and Government.....	6 or 9
Geography	6
Physical Education and Hygiene.....	6

These special requirements are reckoned in each case as a part of the appropriate division of concentration. The student in Class B should take Education 8 in the first semester of his Freshman year and advise with the Department as to an appropriate course for the spring semester. In all other particulars his course follows the General Group for the first year.

The following arrangement of courses is recommended for Freshmen entering the Teaching Group. The work for the following years will be arranged by the Department of Education.

FRESHMAN YEAR

	S.H.
English	6
Foreign Language	6
Science	8
History or elective*	6
Education or elective**	6
	32

GROUP VII

PRE-LEGAL

This group is designed for students who expect to study law after graduation. The required work consists of the minimum uniform requirements*** and the courses specified below.

The following arrangement of specified courses is recommended:

- Freshman Year: Introductory Course in History (1-2 if taken in the Freshman year or 51-52 if taken thereafter).
 Sophomore Year: Economics 51-52, Political Science 61-62.
 Junior Year: Economics 143, History 105-106, Psychology 91, and either English 151 or 152.
 Senior Year: Six semester-hours of Economics from courses approved for Seniors.

The electives should be chosen largely from the work offered by the following departments: Philosophy, Sociology, Economics, History, Psychology, and Political Science. The total work (required and elective) in any one department may not exceed thirty semester hours.

At least twelve semester hours of the electives in the Senior year must be Senior-Graduate courses.

* History is an alternate with economics or political science in the minimum requirements when the student presents two units of history for admission.

** Students in Class B should take Education 8 the first semester and follow it with the course approved by the Department of Education the second semester; students in Class A follow the same plan or take any of the electives authorized for the General Group.

*** When there is overlapping, the minimum uniform requirements are accepted as a part of the special requirements in this group.

GROUP VIII

SOCIAL SERVICE

This group is designed for students who purpose after graduation to pursue professional studies in order to engage in practical social welfare work, such as family welfare, child welfare, public welfare, probation and parole, and similar forms of neighborhood and community work. The required work consists of the minimum uniform requirements and the courses specified below. Zoology is recommended for the required course in science.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: History 1-2.

Sophomore Year: Economics 51-52, Sociology 91-92 or Sociology 101.

Junior Year: Philosophy (6 hours), Political Science (6 hours), Psychology 91, Sociology (6 hours).

Senior Year: Economics (6 hours), Psychology (6 hours), Sociology (6 hours).

The electives should be chosen mainly from history, economics, political science, education, sociology, philosophy, psychology, and religion.

The subjects required for the Junior and Senior years may be transposed according to the courses available in any particular year.

GROUP IX

HONORS

Purpose: Students who have revealed their desire and demonstrated their ability to do a type of intellectual work higher than that normally required for the liberal arts degree may apply to read for Honors during their last two college years. The aim of the Honors studies is to permit qualified undergraduates to attain a knowledge, both comprehensive and intensive, of a particular field, or fields, under conditions most stimulating to individual initiative and independence.

General Rules:

I. A student who has sixty-two semester hours of work to his credit and who has completed the minimum requirements for graduation may apply to read for Honors. A departmental committee may, however, permit students to take as much as twelve hours of the minimum uniform requirements in the Junior and Senior years provided that these are offset by the same number of hours in related subjects taken previously in courses not open primarily to Freshmen.

II. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester hours of work.

III. The minimum amount of work that may be taken in the major department shall be the equivalent of twenty-four semester hours, and the maximum shall be the equivalent of thirty-six semester hours.

IV. The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

Departmental Honors: Honors courses are available to qualified students in the following departments: Botany, Chemistry, Economics, Education, English, French, German, Greek, History, Mathematics, Physics, Psychology, Religion, and Zoology.

An undergraduate wishing to qualify for Departmental Honors usually enters the General Group during the Freshman year. At the close of the Sophomore year he may apply to read for Honors in a particular department. The requirements for admission to candidacy for Honors vary in the different departments. The student should consult the special requirements set forth in the "Departmental Honors Program." The Departmental Committee determines the eligibility of the various applicants for Honors reading within the department.

Transfer students from colleges of approved standing may be admitted to candidacy for Honors provided they enter here as Sophomores with high records in their chosen field of work. They should consult by April 15 the Honors Adviser of the Department in which they are interested.

The work required of students in the Departmental Honors Group consists of (1) the minimum uniform requirements; (2) the program of Honors for the Junior and Senior years; and (3) elective work sufficient to complete the semester hours necessary for graduation.

Study in a Department Honors course always includes work in regular open courses. In both Junior and Senior years it may, and usually does, also include work under special instruction (seminarial or tutorial) and assignments of independent reading.

All candidates who complete satisfactorily the minimum uniform requirements, a Departmental Honors course, and elective work sufficient to earn the necessary hours for graduation will be recommended by the Departmental Committee to the Dean of the College for graduation with Honors.

For brief outlines of the various plans for Departmental Honors the student should see the section, "Departmental Honors Program," among the offerings of each department listed above. Students are also urged to consult the Honors Adviser of the department in which they are primarily interested. A list of these Advisers follows:

Botany: Miss Addoms
Chemistry: Mr. Vosburgh
Education: Mr. Holton
English: Mr. Irving
French: Mr. Webb
German: Mr. Vollmer
Greek: Mr. Pepler

History: Mr. Laprade
Mathematics: Mr. Elliott
Physics: Mr. Hatley
Psychology: Mr. Zener
Religion: Mr. Myers
Zoology: Mr. Johnson

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

The general regulations governing the requirements for the degree of Bachelor of Science are the same as those for the degree of Bachelor of Arts. Students selecting this group must complete the following course of study:

	S.H.
English 1-2	6
French and German (second college year)	12-24
Mathematics	6
Natural science	8
Economics, History, or Political Science	6
Religion	6
Major and related work	48
Free electives to make a total of	120

English 1-2, 6 s.h.—A Freshman who satisfies the Department of English of his superior ability in English composition may substitute another English course for English 1-2. A Freshman whose scores in the placement tests are too low to justify his admission into English 1 is required to earn credit for English I before he may enter English 1.

French and German.—Bachelor of Science candidates must complete at least the second college year, or equivalent as determined by examination, of both French and German.

Mathematics, 6 s.h.—A candidate for the Bachelor of Science degree must complete Mathematics 7 and 8 or Mathematics 7 and 50 or the equivalent. Mathematics 50 is recommended for students who plan to take Mathematics 51-52. Mathematics 8 is recommended for those who plan not to take Mathematics 51-52. Placement tests in algebra are administered to all entering students planning to take courses in mathematics. Students found deficient in algebra must substitute Mathematics 1 and 2 for Mathematics 7.

Natural Science, 8 s.h.—This requirement can be satisfied by courses in one of the natural sciences, namely, Botany, Chemistry, Geology, Physics, and Zoology. The courses must include laboratory work, and may not be counted as part of the major or related work.

Economics, History, or Political Science, 6 s.h.—A student who does not present for entrance two acceptable units of history (exclusive of other social work) must take a course in history; otherwise he has his choice of Economics, History, or Political Science. The courses that will satisfy this requirement are listed under "Courses of Instruction."

Religion, 6 s.h.—The courses that will satisfy the requirement in Religion are listed in this bulletin under "Courses of Instruction."

Major and Related Work, 48 s.h.—Major and related work consists of forty-eight semester hours in the Division of Natural Sciences. This work must be selected from the Departments of Botany, Chemistry, Geology, Mathematics, Physics, Psychology, and Zoology. The major work consists of not less than twenty-four semester hours in one department, the choice of courses being subject to the approval of the department. The major work does not include courses primarily open to Freshmen. The related work is taken in at

least two other departments and is selected subject to the approval of the major department. It may not include more than one course primarily open to Freshmen. A minimum of eight semester hours of the total of forty-eight must be in laboratory science. Further information concerning the requirements for the major and related work in the various departments will be found under "Courses of Instruction."

Free Electives.—In addition to the above, the student must elect sufficient courses to complete, with an average grade of "C," the one hundred and twenty semester hours necessary for graduation.

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Science degree is limited to a maximum of thirty-six semester hours.

No Senior may take for credit any course primarily open to Freshmen; and no Junior may take for credit more than one course primarily open to Freshmen. A list of these courses is published under "Courses of Instruction."

Not more than one course of six or eight semester hours of credit in final fulfillment of the requirements for the degree of Bachelor of Science in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

On or before the date announced for the spring registration every Sophomore in this group should select his major department in the Division of Natural Sciences and arrange under the guidance of an instructor in the major department his program of studies for the following year. He should obtain the instructor's written approval of all courses selected in the division before submitting his program to the Dean for final action. In like manner, upperclassmen will check their courses in the division each year with representatives of their major department.

COMBINED ACADEMIC-PROFESSIONAL COURSES

The provision whereby a Senior may elect the work of the first year in a professional school of the University shall apply solely to eligible students in Trinity College or the Woman's College. The privilege of completing a combined course for the degree is conditioned upon admission to the professional school at the close of the Junior year. A student thus admitted registers as a Senior in the College and as a first-year student in the professional school.

ACADEMIC-LAW COMBINATION

A student who has completed, with an average grade of "C" or higher, ninety-two semester hours of undergraduate work, including the minimum uniform requirements for the degree of Bachelor of Arts and the work of the Junior year in the division of concentration may, with the approval of the Dean of the College, transfer to that school and be eligible for the degree of Bachelor of Arts from Duke University upon the satisfactory completion therein of the work of the first year.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the bachelor degree.

No single discipline or program of study can be described as the best preparation for the study of law. There are various methods of approach to legal study and students differ with respect to the undergraduate studies by which they profit most in preparing themselves for law school.

Completion of the undergraduate work necessary to qualify for the Academic-Law Combination does not insure admission to the Duke University School of Law, nor impose any restriction whatever upon its freedom in selecting students for admission.

The student who does not desire to avail himself of the Academic-Law Combination above set forth may, nevertheless, enter the Law School when he has satisfactorily completed two* years of academic study and has met the other entrance requirements of that school.

Students wishing information concerning admission to the School of Law are invited to consult with the Dean of that school.

ACADEMIC-FORESTRY COMBINATION

A student who has completed with an average grade of "C" or higher the program of study given below may, with the approval of the Dean of the College, transfer to the School of Forestry and be eligible for the degree of Bachelor of Science from Duke University upon the satisfactory completion of one year's work. It is understood that this provision

* Admission after two years of college work is granted during the period of the war.

shall apply solely to eligible Duke University undergraduates. The professional degree of Master of Forestry may be obtained on the satisfactory completion of an additional year in the School of Forestry.

The program of studies in preparation for admission to the School of Forestry is divided into four parts: (1) a group of studies required of all students; (2) courses required in a selected division of concentration; (3) additional elective courses sufficient to make a total of at least 92 semester hours of credit; and (4) summer field work in surveying and forest mensuration as described below.

The studies required of all students, of which the first four, together with six semester hours of a language, should ordinarily be taken in the Freshman year, are as follows:

	S.H.
Botany 1-2	8
Chemistry 1-2	8
English 1-2	6
Engineering Drawing 1-2	4
Modern Foreign Language*	12-18
Mathematics 7-8	6
Physics 1-2	8
Economics 51-52	6
Geology 51	4

At the end of the Freshman year each student shall select a division of concentration. One of the following programs of concentration is recommended.

Botany. Botany 52, 151, 156, one additional course in Botany, and Zoology 1.
 Chemistry. Chemistry 61, 70, and 151-152; and Botany 151.
 Economics. Economics 57-58, two additional semester courses in economics, and Political Science 61-62.

A student who does not select one of the above programs must complete the work of the Junior year in a division of concentration.

Summer field work is required of all students in the School of Forestry. This program of 12 weeks, preferably to be taken upon completion of the Junior year, includes Civil Engineering S110 (Plane Surveying), 3 s.h.; Forestry S150 (Forest Surveying), 5 s.h.; and Forestry S151 (Forest Mensuration), 4 s.h.

Completion of the first three years of work toward the Bachelor of Science degree does not insure admission to the Duke University School of Forestry, nor impose any restriction whatever upon its freedom in selecting students for admission.

Students wishing information concerning admission to the School of Forestry are invited to consult with the Dean of that School.

* The requirement is the same as for the Degree of Bachelor of Science, except that Spanish may be substituted for French.

COURSES OF INSTRUCTION, TRINITY COLLEGE AND THE WOMAN'S COLLEGE

Note: Courses primarily for Freshmen are numbered from 1 to 49; those primarily for Sophomores are numbered from 50 to 99; those primarily for Juniors and Seniors from 100 to 199; those primarily for Seniors and Graduates from 200 to 299. The amount of credit for each course is given in semester-hours following the description of the course.

The designation (w) or (e) indicates that the course is to be given on the West Campus or on the East Campus. The designation E means Engineering; L, Law; DS, Divinity School. When this designation precedes a course number, the course is not approved for graduate credit.*

Odd-numbered courses are offered in the fall semester, and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must normally be continued throughout the year if credit is received. A student must secure written permission from the instructor in order to receive credit for either semester of a year-course.

COURSES OPEN PRIMARILY TO FRESHMEN

Art 1-2	History 1-2
Botany 1-2	Latin 1-2-3, 4, 15, 16, 41, 42
Chemistry 1-2, 3-4	Mathematics 1, 2, 3-4, 7, 8, 9-10, 15
Economics 11	Music 11-12
Education 1, 4, 6, 8	Philosophy 48
English 1-2	Physics 1-2
French 1-2, 3-4	Political Science 21-22
German 1-2, 3-4	Religion 1-2
Greek 15	Spanish 1-2, 3-4
Health Education 41	Zoology 1-2

AESTHETICS, ART, AND MUSIC

PROFESSOR KATHARINE GILBERT, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES IN ART; MRS. WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION IN ART; ASSISTANT PROFESSOR BRUINSMA, DIRECTOR OF UNDERGRADUATE STUDIES IN MUSIC; MR. BROADHEAD, SUPERVISOR OF FRESHMAN INSTRUCTION IN MUSIC; ASSISTANT PROFESSOR HALL;
MISSSES BOUTON AND EIDAM

AESTHETICS

FOR SENIORS AND GRADUATES

201-202. The Philosophy of Art.—Study of the various phases of the aesthetic experience and forms of beauty with analysis of examples. Particular attention will be given to recent writers on aesthetics. **6 s.h. (E)**
[Not offered in 1943-44] PROFESSOR GILBERT

213-214. History of Aesthetics.—The tracing of the historical solutions of traditional problems, such as the nature of imitation, symbolism, the ugly, the sublime, and the comic, the relation of art to nature, to morals, and to economics, the relation of the particular arts to each other, the standard of taste. **6 s.h. (E)** PROFESSOR GILBERT

* Due to war-time changes in the program of the University the designations E and W are more likely to be an accurate record for the last academic year than a guide for 1943-1944.

ART

1-2. History of Art.—The survey course for Freshmen is designed to help the new student in relating the different manifestations of art in each period to the civilization which produced them. There are two lectures and one period of discussion each week, enabling the student to get a perspective on the whole problem in the light of his individual interests and abilities. **6 s.h. (E)** MRS. WILSON

51-52. History of Art.—The survey course for upperclassmen treats each art as a unit, relating it to its background and its companion arts wherever possible, but leaving many of the problems of correlation to the initiative of the student. Not open to Freshmen nor to students who have had course 1-2. *Credit for a single semester will be given only to students electing it during their last semester as undergraduates.* **6 s.h. (E)** MISS BOUTON AND MRS. WILSON

53-54. Theory of Representation and Design.—A consideration of the general theory of tone relations, of the different modes of representation, and of the theory of design. The course aims to give a thorough understanding of the principles governing the art of drawing and painting as practiced in the past and at the present time. One lecture and four laboratory hours. *Open only to students who are enrolled in, or have already completed, a year-course in the Department.* **6 s.h. (E)** MRS. WILSON

94. (Old number, 93.) American Painting and Sculpture.—A study of the development of American painting and sculpture from the beginnings in the Colonial period to the present day, with emphasis on the gradual emergence of a national style. Open without prerequisite to Seniors, Juniors, and Sophomores. **3 s.h. (E)** MRS. WILSON
[Not offered in 1943-44]

101. Medieval Architecture.—A survey of Christian architecture in the Near East and in Western Europe from its origin in the late classic period to its disintegration in the fifteenth century. Prerequisite: 1-2 or 51. **3 s.h. (E)**

103. Renaissance and Baroque Architecture: Italy.—A study of architecture in Italy from Brunelleschi to Bernini, developed through the works of individual architects and their schools. Prerequisite: 1-2 or 51. **3 s.h. (E)**
[Not offered in 1943-44] ASSISTANT PROFESSOR HALL

104. Renaissance and Baroque Architecture: Spain and the North.—An inquiry into the extension of Italian Renaissance and Baroque influence in architecture, and its modification under local conditions elsewhere in Europe. Prerequisite: 1-2 or 51. **3 s.h. (E)** ASSISTANT PROFESSOR HALL
[Not offered in 1943-44]

105. European Architecture since 1700.—An analysis of the sources of contemporary European architecture in the historic revival styles and counter-revolts, technical invention and new structural materials, industrial expansion and social planning. Prerequisite: 1-2 or 51. **3 s.h. (E)**
[Not offered in 1943-44] ASSISTANT PROFESSOR HALL

106. Architecture of the Americas.—A study of building in the Western Hemisphere from the pre-Columbian cultures to the present, with emphasis on the architecture of the United States since the Revolution. Prerequisite: 1-2 or 51. **3 s.h. (E)** ASSISTANT PROFESSOR HALL
[Not offered in 1943-44]

110. (Old number, 120.) **English Architecture.**—A survey of architecture in Great Britain from the Roman occupation to the present. Prerequisite: 1-2 or 51. 3 s.h. (E)

ASSISTANT PROFESSOR HALL

[Not offered in 1943-44]

111. **The Art of Ancient Rome.**—A study of the development of Roman Art from its origins in Etruscan Art through its breakdown in the Early Christian period. Special emphasis will be placed on the contribution of Rome to world art. 3 s.h. (E)

MRS. WILSON

121. (Old number, 102.) **Medieval Art.**—A study of the art and culture of Medieval Europe from pre-Carolingian sources to the collapse of Feudal Europe in the fifteenth century, with emphasis on cultural background, and the religious and philosophical changes underlying the artistic evolution of the period. Open without prerequisite to Seniors and Juniors recommended by the Dean. Prerequisite for Sophomores: 1-2 or 52. 3 s.h. (E)

123. (Old number, 107.) **Renaissance Painting and Sculpture: Italy.**—A study of Italian painting and sculpture, mainly in Florence, from the end of the fourteenth through the fifteenth century. Open without prerequisite to Seniors and Juniors, and to Sophomores recommended by the Dean. 3 s.h. (E)

MISS BOUTON

124. (Old number, 109.) **Baroque Painting.**—An analysis of the character and tendencies of seventeenth-century painting, mainly in Italy, with some reference to Spain and The Netherlands. Open without prerequisite to Seniors and Juniors, and to Sophomores recommended by the Dean. 3 s.h. (E)

MISS BOUTON

125. (Old number, 108.) **Renaissance Painting and Sculpture: The North.**—A study of painting and sculpture in The Netherlands and Germany in the fifteenth and sixteenth centuries. Open without prerequisite to Seniors and Juniors, and to Sophomores recommended by the Dean. 3 s.h. (E)

MISS BOUTON

130. (Old number, 110.) **Painting since 1800.**—An investigation of the development of painting from the eighteenth century through Picasso. Open without prerequisite to Seniors and Juniors, and to Sophomores recommended by the Dean. 3 s.h. (E)

MISS BOUTON

COURSES OFFERED IN OTHER DEPARTMENTS ACCREDITED IN THIS DEPARTMENT

Greek 141-142. Greek Art.

Greek 247-248. Greek Archaeology.

Psychology 202. Psychology of Aesthetics.

DEPARTMENTAL MAJOR

Prerequisites: 1-2 or 51-52.

Major Requirements: 53-54, and eighteen hours in courses chosen from the departmental offerings, or from courses in other departments accredited in this Department.

MUSIC

THEORY

11-12. **Fundamentals of Music.**—The elements of harmony, rhythm, and form. The visual and aural recognition of scales, intervals, triads, and seventh chords and their functions in relation to the system of tonality. Harmonization

of melodies; development of rhythmic discrimination. A general background for advanced courses in the department. Students will meet with the instructor in small groups an additional hour each week. Two sections throughout the year. A third section of Music 11 will begin the second semester, followed by Music 12 to be offered the first semester, 1943-44. **6 s.h. (E)**

MISS EIDAM

61-62. Polyphonic Composition.—Composition in the Gregorian plain song, the modal counterpoint of the sixteenth century, the tonal counterpoint of the early eighteenth century, and the polyphony of the late nineteenth century and of the modern period. Various polyphonic forms are used with especial attention to canon and fugue. Works of Palestrina, Purcell, Bach, Brahms, and others are studied as patterns for composition. Prerequisite: Music 11-12. **6 s.h. (E)**

MR. BROADHEAD

[Not offered in 1943-44]

71-72. Analysis of Form.—The evolution of the polyphonic and homophonic forms from the Middle Ages to modern times. The functions of phrases, sentences, periods, in the construction of various harmonic forms. Detailed analysis of representative works. Prerequisite: Music 11-12. **6 s.h. (E)**

ASSISTANT PROFESSOR BRUINSMA

111-112. Harmony.—The principles of composition from the standpoint of the composer. Proficiency in harmonization of melodies, modulation, ornamentation, and original work in the smaller forms is required. Continuation of aural training. Prerequisite: Music 11-12. **6 s.h. (E)**

ASSISTANT PROFESSOR BRUINSMA

121-122. Orchestration and Conducting.—The history, technical restrictions, and orchestral use of the instruments of the modern orchestra. Scores will be studied and arrangements made by the class. One period a week will be devoted to the technique of the baton, vocal and instrumental score reading. Prerequisite: Music 11-12. **6 s.h. (E)**

ASSISTANT PROFESSOR BRUINSMA

[Not offered in 1943-44]

HISTORY AND CRITICISM

81-82. Introduction to Musical Literature.—An historical survey of the evolution of music from ancient times to the present. An elementary study of the basic principles of form and of musical aesthetics to serve as a basis of criticism. **6 s.h. (E)**

MR. BROADHEAD

131-132. Symphonic Literature.—The historical background and development of music for the orchestra. A critical and analytical study of orchestral suites, overtures, concerti, symphonies, and symphonic poems from early instrumental combinations of the seventeenth century to the present. Scores and records will be used. Prerequisite: Music 81-82, or 11-12, or consent of instructor. **6 s.h. (E)**

MISS EIDAM

131 may be taken for credit without 132.

197. Bach. A detailed analysis of the music of Bach with consideration of the convergence in his works of the musical ideas of his predecessors. **3 s.h. (E)**

MR. BROADHEAD

198. Beethoven.—A detailed analysis of the music of Beethoven disclosing his position at the fulcrum of the classic and romantic styles of composition. **3 s.h. (E)**

MR. BROADHEAD

MUSIC EDUCATION

101. Vocal Methods.—A study of materials and methods of teaching vocal music in public schools. Treatment of the child voice, rote singing, chord singing, voice testing, balance, organization, and supervision. Observation of work done in the public schools. High-school glee club literature. Prerequisite: Music 11-12. **3 s.h. (E)**

ASSISTANT PROFESSOR BRUINSMA

102. Instrumental Methods.—A study of materials and methods of teaching orchestral instruments, organization, supervision. Observation of work in the public schools. Literature for band and orchestra. Prerequisite: Music 11-12. **3 s.h. (E)**
ASSISTANT PROFESSOR BRUINSMA

151-152. Fundamentals of Music for Education Students. Primarily designed for students who desire to qualify for the State Teaching certificate. The elements of harmony, rhythm, form, and a study of material and methods of music teaching in the first eight grades. Not open to students who have had Music 11-12. **6 s.h. (E)**
ASSISTANT PROFESSOR BRUINSMA

APPLIED MUSIC

Instruction in organ, piano, violin, violoncello, and voice is available to Duke University students. Membership in the Chapel Choir, the Glee Clubs, Bands, and Symphony Orchestra is open to those who can qualify.

Organ.....Mr. Edward Hall Broadhead
Piano.....Mr. Henry A. Bruinsma
Violoncello.....Miss Mary Eidam
Vocal Ensembles.....Mr. and Mrs. J. Foster Barnes
Instrumental Ensembles.....Mr. Robert Fearing

DEPARTMENTAL MAJOR

In Music Theory:

Prerequisite: Music 11-12.

Major Requirements: Music 61-62, 81-82, 111-112, and six semester hours of general music electives.

In Music History:

Prerequisite: Music 11-12.

Major Requirements: Music 81-82, 131-132, 197-198, and six semester hours of general music electives.

In Music Education:

The Department of Music has set up the following minimum requirements within the thirty hours of credit required by the North Carolina Department of Public Instruction for the Music Teaching Certificate: Music 11-12, **6 s.h.**; Music 81-82, **6 s.h.**; Music 101, 102, **6 s.h.**; music electives, **12 s.h.**

Each candidate must demonstrate his ability to play simple accompaniments and hymns at sight, and must be a member in good standing of at least one University Musical Organization (Band, Orchestra, Choir, or Glee Club) for a minimum of two years.

The major requirements above are in addition to the professional requirements of the North Carolina Department of Public Instruction which are common to all certificates. This certificate qualifies a person for both High School and Elementary School teaching.

For required Education courses refer to the Department of Education.

BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN; ASSISTANT PROFESSOR OOSTING, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR ANDERSON, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSOCIATE PROFESSOR ADDOMS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE); PROFESSORS BEAL AND WOLF; ASSOCIATE PROFESSORS HARRAR AND KRAMER; ASSISTANT PROFESSOR PERRY; AND ASSISTANTS

1. General Botany.—An introduction to the structure and life-processes of seed plants and the environmental factors influencing their distribution. Laboratory, discussions, and field trips. Three two-hour periods. **4 s.h. (W & E)**

STAFF

2. General Botany.—A survey of the plant kingdom with emphasis on reproduction, and an introduction to identification. Three two-hour periods. Prerequisite: Botany 1. **4 s.h. (w & e)** STAFF

51. Culture and Propagation of Plants.—Experimental studies of the processes involved in growth, and the application of this knowledge to the selection, growth, and propagation of plants. Prerequisite: one year of botany. **4 s.h. (e)** ASSOCIATE PROFESSOR ADDOMS

52. Plant Identification.—Practice in the identification of local plants, especially flowering plants, and a study of the principles and rules underlying plant classification. Laboratory, lectures, and field trips. Prerequisite: one year of botany. **4 s.h. (w)** PROFESSOR BLOMQUIST

55. Morphology and Anatomy of Vascular Plants.—A comparative study of representative ferns and seed plants, including vegetative and reproductive structures. Prerequisite: one year of botany. **4 s.h. (w)** ASSISTANT PROFESSOR OOSTING

101. Principles of Heredity.—The basic principles of heredity and their significance. Lectures, three hours; laboratory, two hours; conference (attendance optional), one hour. Laboratory work includes experimental breeding of the fruit fly. May be taken as a lecture course without laboratory. Prerequisite: one course in biology, botany, or zoology (high-school or college). High-school or college algebra recommended. **3 or 4 s.h. (w)** ASSISTANT PROFESSOR PERRY

102. Plants in Relation to Food Production.—The food value of various crop plants, and the practical problems involved in planning and maintaining a vegetable garden. Topics to be considered include preparation of the soil, planting and cultivation, disease and pest control, soil conservation. Lectures, discussions and reports (no laboratory). Open to Juniors and Seniors, and to Sophomores by permission, without prerequisite. **3 s.h. (e)** ASSOCIATE PROFESSOR ADDOMS

103. General Bacteriology.—Prerequisite: one year of botany or zoology, or equivalent. **4 s.h. (w)** PROFESSOR WOLF

104. The Structure and Identification of Lower Plants.—A study of representative examples of the more important groups of algae, fungi, mosses and liverworts, including collection, identification and classification of common forms. Offered in alternate years. Prerequisite: one year of botany. **4 s.h. (w)** ASSISTANT PROFESSOR ANDERSON

151. Introductory Plant Physiology.—The principal physiological processes of plants, including water relations, synthesis and use of foods, and growth phenomena. Prerequisite: Botany 1, 2 or equivalent; one year of chemistry recommended. **4 s.h. (w)** ASSOCIATE PROFESSOR KRAMER

156. Plant Ecology.—The principal factors affecting plants and plant communities as they exist in different environments. Laboratory, lectures, and field trips. Prerequisites: Botany 1, 2 and 52, or equivalent. **4 s.h. (w)** ASSISTANT PROFESSOR OOSTING

202. Genetics.—The principles of heredity, their cytological basis, and their bearing on other fields of biology. Laboratory work involves experimental breeding of the fruit fly and interpretation of data from the breeding of plants. Offered in alternate years. Prerequisites: one year of botany or zoology, or equivalent, and college algebra. **4 s.h. (w)** ASSISTANT PROFESSOR PERRY
[Not offered in 1943-44]

203. Plant Cytology.—A study of the structure and organization of plant cells in relation to growth, reproduction, and especially heredity. Offered in alternate years. Prerequisite: one year of botany. **4 s.h. (w)**

[Not offered in 1943-44]

ASSISTANT PROFESSOR ANDERSON

204. Advanced Plant Anatomy.—The structure of vegetative and reproductive organs of seed plants, including a consideration of seedling anatomy. Specific reference is made to plants of economic importance. Offered in alternate years. Prerequisite: Botany 55 or equivalent. **4 s.h. (w)**

ASSOCIATE PROFESSOR ADDOMS

216. Botanical Microtechnique.—Studies in methods of preparing temporary and permanent microscopical slides; theory of staining; the use of the microscope, especially microscopical measurements; drawing, and photomicrography, botanical photography, and lantern slides. Prerequisite: two semesters of botany. **4 s.h. (w)**

ASSISTANT PROFESSOR ANDERSON

221. Structure and Classification of Fungi.—Prerequisite: two semesters of botany. **4 s.h. (w)**

PROFESSOR WOLF

225-226. Special Problems.—Students with adequate training may do special work in the following fields:

a. Bacteriology, Mycology, and Plant Pathology. PROFESSOR WOLF

b. Cytology. ASSISTANT PROFESSOR ANDERSON

c. Ecology. ASSISTANT PROFESSOR OOSTING

d. Genetics. ASSISTANT PROFESSOR PERRY

e. Morphology and Anatomy of Higher Groups.

ASSOCIATE PROFESSORS ADDOMS AND HARRAR;

ASSISTANT PROFESSOR OOSTING

f. Morphology and Taxonomy of Lower Groups.

PROFESSOR BLOMQUIST AND ASSISTANT PROFESSOR ANDERSON

g. Physiology. ASSOCIATE PROFESSORS ADDOMS AND KRAMER

h. Plant Microchemistry. ASSOCIATE PROFESSOR ADDOMS

i. Taxonomy of Higher Groups. PROFESSOR BLOMQUIST

252. Advanced Plant Physiology.—The physicochemical processes and conditions underlying the physiological processes of plants. Prerequisite: Botany 151 or equivalent; organic chemistry recommended. **4 s.h. (w)**

ASSOCIATE PROFESSOR KRAMER

255. Advanced Taxonomy.—A study of the historical background of plant taxonomy, modern concepts and systems of classification, nomenclatorial problems and the taxonomy of specialized groups. Prerequisite: two years of botany, including Botany 52 or equivalent. **4 s.h. (w)**

PROFESSOR BLOMQUIST

256. Field Ecology.—An ecological survey of local vegetation, including theory and practice in the use of instruments for precise habitat studies, and analysis of community and successional relationships. Offered in alternate years. Prerequisites: Botany 1, 2, and 52 or equivalent. **4 s.h. (w)**

ASSISTANT PROFESSOR OOSTING

FOREST BOTANY

224. Forest Pathology.—Special reference to diseases of forest trees. Prerequisites: Botany 1, 2. **3 or 4 s.h. (w)**

PROFESSOR WOLF

253-254. **Dendrology.**—Nomenclature, classification, and identification of woody plants with special reference to species indigenous to southeastern United States and other important forest regions of temperate North America. Laboratory and field work. Prerequisite: one year of botany. 4 s.h. (w)

PROFESSOR BEAL

Related courses which may be counted toward a major in botany. Zoology 110. Introduction to Genetics. 2 s.h. (w)

DR. JOHNSON

DEPARTMENTAL MAJOR

Prerequisites: Botany 1 and 2.

Major Requirements: A minimum of twenty-one hours of work including courses 52, 55, and 104. The remaining hours may be selected from any other courses in the Department for which the student is eligible, subject to the approval of the Departmental Adviser.

DEPARTMENTAL HONORS PROGRAM

I. *Prerequisites:* Botany 1-2. A year course in each of three other sciences acceptable to the Departmental Committee. Some of these may be taken concurrently with the Honors work.

II. *Honors Work:*

a. Botany.

1. Scheduled courses. At least 5 courses (18-20 semester hours) beyond Botany 1-2.
2. Reading Courses and Problems, chiefly in the Senior year. Nine semester hours. In addition to scheduled courses, each Honors student will take reading courses in such fields as History of Botany and Theories of Biology; or he may take reading courses in special fields; or he may undertake a special problem; or he may carry on both reading and a problem. This work will count as nine semester hours and will extend through a year at least. The student will report to his Adviser regularly for conference on this work. He may be asked to prepare written reports on the reading courses, and he must make a report on his problem.

b. Philosophy—6 semester hours.

c. Electives in Botany or in other departments, subject to the approval of the Departmental Committee.

III. *General Honors Examination:* In the spring semester of the Senior year, each student must pass a general examination on the entire field of his Honors work. The Examining Committee consists of the Departmental Committee and such Advisers as have been concerned with his Honors work. The student must present a written report upon his problem and such written reports upon his reading as may be required, before he is permitted to take the general examination.

CHEMISTRY

PROFESSOR GROSS, CHAIRMAN; PROFESSOR VOSBURGH, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HILL, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BIGELOW, LONDON, AND WILSON; ASSOCIATE PROFESSORS HAUSER AND SAYLOR; ASSISTANT PROFESSORS BROWN AND HOBBS; DR. BRADSHAW; AND ASSISTANTS

1-2. **General Inorganic Chemistry.**—Lectures, recitations, and laboratory work on the elementary principles of chemistry and on the occurrence, preparation, properties, and uses of the elements and their compounds. It is desirable, though not required, that students taking this course shall have taken elementary physics either in high school or in college. One lecture, two recitations, and three laboratory hours, throughout the year. 8 s.h. (w & e) ASSISTANT PROFESSOR HILL WITH PROFESSOR WILSON; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSORS BROWN AND HOBBS; DR. BRADSHAW; AND ASSISTANTS

3-4. General Inorganic Chemistry.—A shorter course than Chemistry 1-2 in the elementary principles of chemistry. Two recitations and three laboratory hours. **6 s.h. (w)**

ASSISTANT PROFESSOR HILL WITH PROFESSOR WILSON; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSOR HOBBS; DR. BRADSHER; AND ASSISTANTS

61. Qualitative Analysis.—A study of the reactions of electrolytes in solution as applied to the qualitative analysis of mixtures of inorganic compounds. One lecture, one recitation, and six laboratory hours. Prerequisites: Chemistry 1-2 or 3-4 and algebra. **4 s.h. (w)**

PROFESSOR VOSBURGH; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSOR HOBBS; AND ASSISTANTS

70. Quantitative Analysis.—A study of the theory and technique of inorganic gravimetric and volumetric analysis. One lecture, one recitation, and six laboratory hours. Prerequisite: Chemistry 61. Analytic geometry and college physics are desirable but not required. **4 s.h. (w)**

PROFESSOR VOSBURGH; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSOR HOBBS; AND ASSISTANTS

63-74. Analytical Chemistry.—Theory of analytical chemistry with special emphasis on theory of solutions. One lecture, one recitation, and three laboratory hours. Prerequisites: Chemistry 1-2 or 3-4 and Mathematics 7-8; the latter may be taken concurrently. **6 s.h. (w)**

PROFESSOR VOSBURGH; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSOR HOBBS; AND ASSISTANTS

131-132. Advanced Quantitative Analysis.—Laboratory exercises in the quantitative analysis of complex materials and in physicochemical measurements, such as potentiometric titration, pH measurements, photometric methods of analysis, and other instrumental methods. Six laboratory hours. Prerequisites: Chemistry 70 and Physics 51-52 or equivalent. **4 s.h. (w)**

PROFESSOR VOSBURGH AND ASSOCIATE PROFESSOR SAYLOR

151-152. Organic Chemistry.—An introduction to the study of the compounds of carbon. Both the aliphatic and the aromatic series are dealt with and the lectures are illustrated by selected laboratory experiments. Two lectures, one recitation, and three laboratory hours. Prerequisites: Chemistry 61 and 70. Course 151 is prerequisite for 152. **8 s.h. (w)**

PROFESSOR BIGELOW; ASSOCIATE PROFESSOR HAUSER; ASSISTANT PROFESSOR BROWN; DR. BRADSHER; AND ASSISTANTS

153-154. Intermediate Chemistry Laboratory.—Special laboratory exercises of a more advanced nature than given in courses 70 and 151-152. Required of candidates for Honors in chemistry and for the B.S. degree with major work in chemistry and open to others with special permission of the Department. **2 or 4 s.h. (w)**

PROFESSOR BIGELOW AND OTHER MEMBERS OF THE STAFF

155-156. Organic Chemistry.—A shorter introduction to the compounds of carbon than Chemistry 151-152. Two lectures or recitations and three laboratory hours. Prerequisites: Chemistry 61 and 70 or 63-74. **6 s.h. (w)**

PROFESSOR BIGELOW; ASSOCIATE PROFESSOR HAUSER; ASSISTANT PROFESSOR BROWN; DR. BRADSHER; AND ASSISTANTS

173-174. Honors Seminar.—One hour a week discussion based on assigned reading. Required of all candidates for Honors in chemistry in both Junior and Senior years. **2 s.h. (w)**

PROFESSOR VOSBURGH

[Not offered in 1943-44]

215-216. Advanced Inorganic Chemistry.—A study of modern theories of valence and molecular structure; also of inorganic compounds, particularly the less common types, the colloidal state of matter and the phase rule, illustrated by suitable laboratory preparations. Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214, and ability to read German are desirable. **6 s.h. (w)**

PROFESSOR VOSBURGH AND ASSISTANT PROFESSOR HILL

233-234. Instrumental Analysis.—Experiments in the use of various physical measuring instruments in chemical analysis. Three laboratory hours. Prerequisites: Chemistry 70 and 261-262. **2 s.h. (w)**

PROFESSOR VOSBURGH AND ASSOCIATE PROFESSOR SAYLOR

236. Theory of Analytical Chemistry.—A study of such topics as precision and errors, theories of precipitation and titration, oxidation and reduction and others, illustrated by typical analytical methods, including some physico-chemical methods. One lecture. Prerequisites: Chemistry 70 and 261-262. **1 s.h. (w)**

PROFESSOR VOSBURGH

241. Physiological Chemistry.—A study of the chemistry of human physiology. Clinical aspects of the subject are treated with reference to the need of prospective medical students. Two recitations and six laboratory hours. Prerequisites: Chemistry 70 and 151-152. Course 261-262 is desirable though not required. **4 s.h. (w)**

PROFESSOR WILSON AND ASSISTANT

242. Metabolism.—Open to students who have completed course 241 or its equivalent, and who have a reading knowledge of German. Lectures and collateral reading deal with the probable fate of foodstuffs in the body, the nitrogen balance, energy requirement, nutritive ratios, vital factors, and ductless glands. The laboratory work consists mainly of blood analysis under both normal and pathological conditions. The laboratory or lectures may be taken separately. Two lectures, credit **2 s.h.**, and 6 laboratory hours, credit **2 s.h. 4 s.h. (w)**

PROFESSOR WILSON AND ASSISTANT

253-254. Advanced Organic Chemistry.—A continuation of Chemistry 151-152, including discussion of the theories of organic chemistry. The laboratory work will include qualitative organic analysis, together with preparations of the more difficult type, requiring reference to the original literature. Two lectures and three or six laboratory hours. Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. **6 or 8 s.h. (w)**

PROFESSOR BIGELOW; ASSOCIATE PROFESSOR HAUSER;
AND ASSISTANT PROFESSOR BROWN

261-262. Physical Chemistry.—Fundamentals of general theoretical chemistry illustrated by selected laboratory experiments. Two recitations and three laboratory hours. Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent. Mathematics 8 or 51-52 is required except by special permission of the Department. In exceptional cases, and with the permission of the Department, graduate students may offer other advanced science courses in place of some of these prerequisites. Undergraduates are admitted to this course only by permission of the Director of Undergraduate Studies. **6 s.h. (w)**

PROFESSOR GROSS; ASSOCIATE PROFESSOR SAYLOR;
AND ASSISTANT PROFESSOR HOBBS

265-266. Chemical Physics. Statistical Theory, Principles and Applications.—General introduction to statistical methods and applications to chemical problems; solution theory, reaction velocity, changes of state, quantum statistics and the metallic state. Undergraduates are admitted to this course only by permission of the Director of Undergraduate Studies. Lectures, conferences, and assigned problems. **8 s.h. (w)**

PROFESSOR LONDON

267-268. Chemical Physics. Theoretical Aspects of Atomic and Molecular Structure.—Theories of the chemical bond; atomic and molecular forces. Undergraduates are admitted to this course only by permission of the Director of Undergraduate Studies. Lectures, conferences, and assigned problems. **8 s.h. (w)**
 PROFESSOR LONDON

271. Introduction to Research.—Lectures on the use of chemical literature, research methods, recording and publication of results, preparation of theses, and other topics. One lecture. **1 s.h. (w)**
 PROFESSORS BIGELOW, GROSS AND VOSBURGH

273-274. Seminar.—Required of all graduate students in chemistry. One hour a week discussion. **2 s.h. (w)**

PROFESSORS BIGELOW, GROSS AND VOSBURGH; ASSOCIATE PROFESSORS HAUSER AND SAYLOR; ASSISTANT PROFESSORS BROWN, HILL AND HOBBS; AND DR. BRADSHAW

275-276. Research.—The aim of this course is to give instruction in methods used in the investigation of original problems. It is open to Seniors who have had courses 70, 151-152, and who are taking 261-262. Nine hours a week and conferences. **3 or 6 s.h. (w)**

PROFESSORS BIGELOW, GROSS, LONDON, VOSBURGH AND WILSON;
 ASSOCIATE PROFESSORS HAUSER AND SAYLOR;
 ASSISTANT PROFESSORS BROWN, HILL AND
 HOBBS; AND DR. BRADSHAW

DEPARTMENTAL MAJOR

A. For the degree of A.B.

Prerequisites: Chemistry 1-2, Mathematics 7-8 (or equivalent).

Major Requirements: Chemistry 61-70, 151-152 and 261-262. With the permission of the Department other chemistry courses giving a total of not less than 6 s.h. credit may be substituted for Chemistry 261-262.

B. For the degree of B.S.

Prerequisites: Chemistry 1-2, Mathematics 7-50 (or equivalent).

Major Requirements: Chemistry 61-70, 131-132, 151-152, 153-154, 261-262. The required work in the Science Division must include Mathematics 51-52 and Physics 51-52 (or equivalent).

DEPARTMENTAL HONORS PROGRAM*

Prerequisites: Chemistry 61-70; Mathematics, 6 s.h., and Physics 51-52 or equivalent.

Honors Program: Chemistry 131-132, 151-152, 153-154, 173-174, 261-262, and 275-276; Mathematics through integral calculus; Physics, Botany, Geology, or Zoology, 6 s.h.; electives, subject to the approval of the Departmental Honors Committee, 20 s.h. (or enough to satisfy the requirements for graduation).

Chemistry 153-154 is a special laboratory course in which there is individual attention to and supervision of the work of each student.

Chemistry 173-174 is a seminar primarily for Honors students of both Junior and Senior years. The purpose is to give practice in the use of chemical literature and the oral presentation of assigned topics.

In Chemistry 275-276 an experimental research project is carried out under the direction of a member of the Staff, the object being to gain acquaintance with the aims and methods of research. A written report on the research is required.

A general examination in chemistry is given at the end of both Junior and Senior years.

* Not offered in 1943-44.

ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSOR HOOVER, CHAIRMAN; PROFESSOR DE VYVER, ACTING CHAIRMAN AND
 DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSORS HAMILTON, SPENGLER
 AND VON BECKERATH; ASSOCIATE PROFESSORS BLACK, LESTER, AND RATCH-
 FORD; ASSISTANT PROFESSORS BLUM, DELAPLANE, EITEMAN, HON,
 LANDON, LEMERT, SHIELDS, SMITH, SPRINGER AND WELFLING;
 DRs. BERRY, GREGORY, AND KEECH; MR. VAN VOORHIS;
 MESSRS. BRYSON, HARRIS, HOLMES, AND
 MILLER (PART-TIME)

The Department offers instruction in general economics, business adminis-
 tration, and accounting. The general course in economics affords a survey of
 the whole field of economic thought and lays the foundation for specialized
 study in various branches of the subject. Advanced courses are offered in
 theoretical and applied economics.

A special group of studies is provided for candidates for the Bachelor of
 Arts degree who are definitely looking forward to a business career at the
 conclusion of their college course. While this group is mainly composed of
 liberal rather than technical studies, it gives opportunity in the Junior and
 Senior years for specialized study in such subjects as money and banking,
 public and corporation finance, investments, railroad and water transportation,
 economic geography, marketing, insurance, industrial management, accounting,
 and business statistics.

ECONOMICS

51-52. Principles of Economics.—6 s.h. (F & W)

PROFESSORS DE VYVER, SPENGLER, AND VON BECKERATH; ASSISTANT
 PROFESSORS BLUM, DELAPLANE, EITEMAN, HON, LANDON,
 SMITH, AND WELFLING; DRs. BERRY AND GREGORY

This course must be passed by all students planning to elect further courses
 in Economics and Business Administration.

One section of Economics 51 will be offered during the spring semester,
 and one section of Economics 52 will be offered during the fall semester.

103. **Transportation.**—Essential features, problems, and competitive po-
 sitions of rail, highway, air, and inland-water transportation, with most
 emphasis on rail transportation. Special attention is given to the economic
 significance of transportation, and to cost factors, rates and their economic
 effects and regulation. 3 s.h. (w)

ASSISTANT PROFESSOR LANDON

107. **Conservation.**—A study of the extent and distribution of our natural
 resources and their service in regional and national development. Emphasis
 will be placed upon both the natural and human factors involved in the genesis
 of current problems. Term reports dealing with problems of special interest
 to those participating will be considered. 3 s.h. (w)

[Not offered in 1943-44]

ASSISTANT PROFESSOR LEMERT

138. **Business Statistics.**—A course in elementary statistics designed prin-
 cipally for students of economics and business administration. The material
 is also of interest to those specializing in engineering, forestry, political science,
 and sociology. The course deals with collection of statistical data, construction
 of statistical tables and charts, and a brief study of the fundamental statistical
 techniques. Offered both semesters. 3 s.h. (w)

ASSISTANT PROFESSORS SPRINGER AND SMITH;

ASSOCIATE PROFESSOR SCATES; DR. BERRY

Open to Juniors, and to Sophomores in the second semester. Not open to
 Seniors except with the permission of the Director of Undergraduate Studies.

No credit is given for this course to a student who takes Mathematics 74.

[Note: The attention of students who are taking, or who propose to take, courses 143, 144, or 158 is called to Mathematics 71, "Mathematics of Investment." This course is recommended as an elective for Sophomores or Juniors.]

139. Advanced Business Statistics.—This course is designed for students who wish more thorough preparation in statistics, either for use in business or to meet civil service requirements. Special emphasis is placed on index numbers, time series analysis, and correlation methods. Prerequisite: Economics 138 or the equivalent. **3 s.h. (w)**

ASSISTANT PROFESSORS SPRINGER AND SMITH

143. Corporation Finance.—Principles and problems in the financial organization of corporations; the study of corporate securities, the management of capital, the distribution of earnings; industrial combinations; insolvency and reorganization. Offered both semesters. **3 s.h. (w)**

ASSISTANT PROFESSORS DELAPLANE, EITEMAN,
HON, AND SMITH; DR. GREGORY

Though not a prerequisite, Economics 57-58, Principles of Accounting, is recommended to students electing this course.

Special sections of Corporation Finance will be offered for students who have had Economics 57-58.

144. Investments.—A study of the role which the security markets play in American economic life. Attention is devoted to the various types of securities, to the mechanics of their purchase and sale, to the factors which affect and determine their market prices, and to the relationship of stock speculation to the banking system and to general prosperity. Prerequisite: Economics 57-58 and 143. **3 s.h. (w)**

ASSISTANT PROFESSORS EITEMAN, HON, AND DELAPLANE

153. Money and Banking.—Principles and problems of money and banking, including the history, theory, practices, and policies of American financial institutions. **3 s.h. (w)**

ASSOCIATE PROFESSORS LESTER AND RATCHFORD; ASSISTANT
PROFESSORS BLUM, HON, AND WELFLING

154. Advanced Money and Banking.—An intensive study of monetary theory, central-bank policies, monetary and banking reform, and postwar financial problems. **3 s.h. (w)**

ASSOCIATE PROFESSORS LESTER AND RATCHFORD;
ASSISTANT PROFESSOR BLUM

169. Economics of Consumption.—Economic problems of the family. Factors determining choice; commercial and legal standards for consumers' goods; consumer credit and co-operation; income and standards of living. **3 s.h. (E)**

ASSISTANT PROFESSOR SMITH

186. Latin-American Economics.—Facts and factors in the economic structure and growth of the Latin-American nations; population, labor productivity, and standards of living; problems of industry, agriculture, and mining; transportation and public utilities; monetary and fiscal policies; the migration of capital and the role of the United States as a creditor nation; economic thought and institutions. **3 s.h. (w)**

ASSISTANT PROFESSOR SMITH

187. Public Finance.—This course deals with public expenditures, public revenues, public debts, and financial administration. **3 s.h. (w)**

ASSOCIATE PROFESSOR RATCHFORD; ASSISTANT PROFESSOR HON

217. Population, Resources, and Standards of Living.—A critical survey of the economic laws of returns and of pre- and post-Malthusian population theory; consideration of the relation between natural increase and the laws

of economic distribution and of the effects of changes in the rate of natural increase upon various classes of industry and upon employment; examination of the factors which govern population growth and of current population trends; analysis of international economic and political problems which are founded upon population pressure; consideration of the economic and the biological aspects of differential birth-rates. **3 s.h. (w)** PROFESSOR SPENGLER

218. Business Cycles.—A study of the various types of cyclical movements in industry, with special emphasis on cycle theory and methods of controlling or modifying business cycles. **3 s.h. (w)** ASSOCIATE PROFESSOR LESTER

230. Public Debts in the United States.—A study of the characteristics of public credit as shown by the experience of national, state, and local governments in the United States. Topics considered include: forms, methods, and purposes of borrowing; effects of the contraction and repayment of debts on governmental fiscal policies, the banking and credit system, and business activity; methods of controlling or limiting debts; refunding and adjustment procedures; defaults and repudiations. Prerequisite: Economics 187 or equivalent. **3 s.h. (w)** ASSOCIATE PROFESSOR RATCHFORD

[Not offered in 1943-44]

231. The Economic History of Modern Europe.—A study of the economic development of Europe since the sixteenth century to the present, treating such topics as the guilds, mercantilism, money, banking, crises, the industrial revolution, the interrelationships of government and business, and the economic consequences of war. The historical backgrounds of present economic problems will be emphasized. **3 s.h. (w)** PROFESSOR HAMILTON

232. The Economic History of the United States.—A study of the agricultural, industrial, commercial, and financial progress of the United States from Colonial times to the present day. Special attention will be devoted to mass production, business cycles, great fortunes, and the relationships between government and business. **3 s.h. (w)** PROFESSOR HAMILTON

233. State and Local Finance.—A study of expenditures, taxation, and financial administration in state and local governments with emphasis on current problems. Special attention will be given to research methods and materials and to the financial relations between state and local governments. Prerequisite: Economics 187 or equivalent. **3 s.h. (w)**

ASSOCIATE PROFESSOR RATCHFORD

234. Federal Finance.—A study of the expenditures, revenues, and financial administration of the government of the United States, with emphasis on current problems. Special attention given to budgetary procedure, corporate and individual income taxes, and the financial relations between federal and state governments. Prerequisite: Economics 187 or equivalent. **3 s.h. (w)**

ASSOCIATE PROFESSOR RATCHFORD

237-238. Statistical Methods. A study of statistical methods appropriate for dealing with problems in business and the social sciences. In addition to developing more thoroughly the subjects considered in *Business Statistics*, the following methods will be considered: simple, multiple, partial, and curvilinear correlation; curve fitting; probability; frequency distributions; and reliability of estimates. Prerequisite: Economics 138 or consent of the instructor. **6 s.h. (w)**

ASSISTANT PROFESSOR SPRINGER

[Not offered in 1943-44]

239. Prices.—A theoretical and historical study of the forces governing commodity prices and wages. In 1943-44 special attention will be devoted to the control of wartime inflation and postwar deflation. **3 s.h. (w)**

PROFESSOR HAMILTON

241-242. Value and Distribution.—This course is a critical survey of the leading contemporary explanations of price formation and of the determination of interest, rent, wages, and profits. 6 s.h. (w) PROFESSOR SPENGLER

245. Problems of Modern Industrialism.—This course first surveys technological efficiency and market organization as limiting factors in the determination by industrial management of the rational requirements of plant organization. External political and social forces are then introduced into the complex to show modern industrialism as a phase of mature capitalism. Against the background of modern capitalism, the issue and trends of public policy with respect to economic organization in America and Europe are compared and appraised. 3 s.h. (w) PROFESSOR VON BECKERATH

253. Labor Problems.—An examination of present-day labor problems followed by an intensive study of methods used by employers and workers in meeting those problems. 3 s.h. (w) PROFESSOR DE VYVER

256. Labor Legislation.—A study of the relations of the state to labor problems with special reference to remedial legislation, and to interference in labor disputes. Prerequisite: Economics 253, or with the consent of the instructor. 3 s.h. (w) PROFESSOR DE VYVER

258. Personnel Management.—A study of the fundamental principles and problems of labor management and of collective bargaining under modern industrial conditions and under existing labor legislation. Prerequisite: Economics 253. 3 s.h. (w) PROFESSOR DE VYVER

260. Social Insurance.—A consideration of the economic and social problems involved in workmen's compensation laws, unemployment insurance, old-age pensions, and health insurance for workers. Particular attention will be given to the present federal and state social security legislation. 3 s.h. (w)
[Not offered in 1943-44] PROFESSOR DE VYVER

265. International Trade and Tariff Policies.—An analysis of the theoretical principles underlying international trade with an historical study of the foreign trade and tariff policies of the United States, France, Germany, and England from the eighteenth century to the present. In addition, the course will take up possible conditions under which international trade may be resumed after this war and the organizational framework (reciprocal tariff agreements and other understandings between governments) within which world trade must be resumed. 3 s.h. (w) PROFESSOR VON BECKERATH

266. International Finance.—A study of the mechanism of international payment with attention to international movements of capital, the peculiarities of an inconvertible paper money regime, maldistribution of gold, and related problems. 3 s.h. (w) PROFESSOR HAMILTON
[Not offered in 1943-44]

268. Competitive Versus Monopolistic Enterprise. (1) Competition as an economic order; (2) competition as a political order; (3) monopoly as a disturbance of (1) and of (2). (4) What can government do for the maintenance of the competitive order? (5) What can the judiciary do for the maintenance of the competitive order? (6) What can business do for the maintenance of the competitive order? (7) Limits and difficulties of a liberal solution. (8) Short discussion of different types of compromise solutions, both in the governmental and the economic field. (9) The effects of war on competition and private enterprise. 3 s.h. (w) PROFESSOR VON BECKERATH

270. Economics of War.—A study of the economic causes of war; the economic problems of neutrals; transition from a peace to a war economy; the cost of war and national defense; war finance through taxes, loans, and

inflation; price and wage controls; rationing and priorities; the allocation of labor and resources; restrictions on shipping and exchange; the technique and results of economic warfare; war and technology; demobilization and unemployment; the return to a peace economy; debts, reparations, and indemnities; and postwar depressions. **3 s.h. (w)** PROFESSOR HAMILTON

280. Advanced Economic Problems.—This course is designed to afford students an opportunity to integrate the economic principles which they have acquired in specialized courses, through the application of these principles to current economic problems. Offered both semesters. **3 s.h. (w)**

ASSOCIATE PROFESSORS LESTER AND RATCHFORD;

ASSISTANT PROFESSOR WELFLING

Required of all Seniors majoring in Economics and open with permission to Seniors in the Business Administration Group.

BUSINESS ADMINISTRATION

A. ACCOUNTANCY

57-58. Principles of Accounting. Elementary principles of single proprietorship, partnership, and corporation accounting. Supervised laboratory periods will be assigned. **6 s.h. (w)**

PROFESSOR DE VYVER; ASSISTANT PROFESSOR BLUM; MR. VAN VOORHIS

171-172. Advanced Accounting.—Advanced accounting theory and practice applied to the managerial problems of valuation and operation in corporations, consolidations, mergers, and liquidations. Open to students who have completed Accounting 57-58. **6 s.h. (w)** ASSISTANT PROFESSOR SHIELDS

173-174. Auditing, Theory and Practice.—This course prepares the manager to investigate the operation of his own business, the prospective investor to determine the value of the proposition, the student to practice the public accounting profession. The first semester deals with detail and balance sheet audits and the second semester with special investigations. Problems, working papers, and reports. Prerequisite: Economics 171-172 and permission of the instructor. **6 s.h. (w)** ASSISTANT PROFESSOR SHIELDS

175-176. C. P. A. Review.—Thorough practice in classroom to prepare candidates for the Certified Public Accountant examination. The object is to train students to apply accounting principles and to work in classroom under substantially the same conditions as in the examination room. Practical accounting problems, auditing analysis, and theory of accounts. Prerequisite: Economics 171-172 and permission of the instructor. **6 s.h. (w)**

ASSOCIATE PROFESSOR BLACK; MR. HARRIS

177. Income Tax Accounting.—A study of the accounting principles involved in the management of business enterprise under the requirements of federal income tax laws. Practice is given in the preparation of tax returns. Prerequisite: Economics 171-172 or permission of the instructor. **3 s.h. (w)**

ASSISTANT PROFESSOR SHIELDS

178. Accounting Systems.—The design and installation of accounting systems and the presentation of accounting reports to management in basic manufacturing industries, mercantile establishments, financial institutions, and municipalities. Prerequisite: Economics 171-172 or permission of the instructor. **3 s.h. (w)** ASSISTANT PROFESSOR SHIELDS

[Not offered in 1943-44]

180. Governmental Accounting.—Accounting principles and methods used in the control and administration of governmental units. Emphasis is placed upon state, county, and municipal governments. A study is made of the accounting system of the Federal Government. Prerequisite: Economics 57-58 and permission of the instructor. **3 s.h. (w)** ASSISTANT PROFESSOR SHIELDS

275-276. Advanced Industrial Accounting and Management.—This course traces the ways and means of executive control through statistics and industrial accountancy. Emphasis is put upon the economics of overhead costs. A complete practice set of cost accounting is worked by each student during the course. Prerequisite: Economics 171-172 or permission of the instructor. **6 s.h. (w)** **ASSOCIATE PROFESSOR BLACK; MR. VAN VOORHIS**

B. COMMERCE AND INDUSTRY

11. Economic Geography.—A course in regional economic geography embracing the study of the world's major geographic regions, their present and potential production of food and raw materials for manufacture, and the relationships between these factors and the development of manufacturing industries, cities, and commerce. Offered both semesters. **3 s.h. (w & E)**

ASSISTANT PROFESSOR LEMERT

105. Industrial Management.—A study of the organization and management of industrial production, with emphasis upon the principles governing location and plant design, the planning and control of materials and methods, and general price policies. Offered both semesters. **3 s.h. (w)**

DRS. KEECH AND BERRY

109. The Economic Geography of Latin America.—This course involves comprehensive study of the resources and people of Mexico, the West Indies, and Central and South America. Special emphasis is placed upon the possibilities and limitations of increases in trade between the United States and the leading Latin-American countries. **3 s.h. (w)** **ASSISTANT PROFESSOR LEMERT**

115. Economic Geography.—A study of geographic influences consisting of location, maps and their interpretation, climate, topography, soils, minerals, bodies of water, plants, animals, and the works of man. This course is required of all students in Teaching Group, Class B, and is also recommended for those intending to specialize in foreign trade or the diplomatic service. **3 s.h. (w)**

ASSISTANT PROFESSOR LEMERT

116. Economic Geography and Industrial Organization.—A study of the economic resources of the world; the products of the agricultural and manufacturing industries: trade routes and trade centers; and the influence of geographic factors on the economic development of nations. This course is required of all students in Teaching Group, Class B, and is also recommended for those intending to specialize in foreign trade or the diplomatic service. Prerequisite: Economics 115. **3 s.h. (E)**

ASSISTANT PROFESSOR LEMERT

118. Economic Geography of the South.—A study of the agricultural, commercial, and industrial development, with special emphasis upon the expansion of Piedmont industries. **3 s.h. (w)** **ASSISTANT PROFESSOR LEMERT**
[Not offered in 1943-44]

120. Economic Geography of the Pacific.—The physical influences, natural resources, and economic activities of Asia, Oceania, and portions of the western coasts of North and South America with special emphasis upon their relationship to present developments. **3 s.h. (w)**

ASSISTANT PROFESSOR LEMERT

158. Insurance.—The development and basic principles of insurance. This course covers such topics as business uses, policy contracts, costs, and regulation of insurance. Life and fire insurance are emphasized. Offered both semesters. **3 s.h. (w)**

DR. BERRY

168. Marketing.—The topics covered in this course include the economic importance of markets and the marketing system; marketing functions, organization, and methods; price policies; finance; speculation; market research and the planning of marketing activities; co-operative marketing; criticisms of marketing and means for improvement; and regulation. **3 s.h. (w)**

ASSISTANT PROFESSOR LANDON; DR. GREGORY

181-182. Business Law.—The fundamental principles of law as applied to common business transactions. The topics presented are: contracts, agency, bailments, sales, negotiable instruments, partnership, corporations, and bankruptcy. *For Seniors. 6 s.h. (w)*

ASSISTANT PROFESSOR SPRINGER; MESSRS. BRYSON AND MILLER

184. Commercial Law for Accountants.—A review and summation of commercial law principles as they apply to accounting theory and practice. Emphasis will be placed upon the commercial law sections of the Certified Public Accountant examinations. Students are admitted to the course by permission of the instructor. *For Seniors. 3 s.h. (w)*

ASSOCIATE PROFESSOR BLACK; MR. VAN VOORHIS

DEPARTMENTAL MAJOR

Prerequisites: Economics 51-52, Principles of Economics. 6 s.h. This course is ordinarily taken in the Sophomore year but may be taken by a selected group of Freshmen.

Major Requirements: Twenty-four semester hours in addition to Economics 51-52, to be arranged as follows:

- (1) Economics 138.—Business Statistics.—3 s.h.

This course may be taken the second semester of the Sophomore year or during the Junior year. It may be taken by departmental majors in their Senior year only with permission of the Director of Undergraduate Studies.

- (2) Economics 153.—Money and Banking.—3 s.h.

- (3) Senior-Graduate Courses.—6 s.h.

At least six semester hours must be chosen from Senior-Graduate courses offered in Economics.

- (4) Economics 280.—Advanced Economic Problems.—3 s.h.

This course is required of all majors in the Department and is also open to Seniors in the Business Administration Group. It may not be counted as part of the Senior-Graduate course requirement.

- (5) Additional Course Work.—9 s.h.

In addition to the special requirements outlined under (1), (2), and (3) above, majors in the Department must elect nine semester hours from courses offered in Economics for Juniors and Seniors. Six hours of Accounting and six hours in Commerce and Industry may be counted toward the completion of this requirement.

- (6) Additional work in the Department.

Twenty-four semester hours of work in the Department is a minimum for a major in Economics. According to the general University regulations, however, majors may take additional work in the subdepartments (Accounting and Commerce and Industry) not to exceed a total in the Department and subdepartments of fifty-four semester hours.

Note: Students who take Economics 51-52 in their Freshman year may in their Sophomore year enroll in courses in the department ordinarily open only to Juniors.

EDUCATION

PROFESSOR HOLTON, CHAIRMAN; PROFESSOR PROCTOR, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR EASLEY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BROWNELL, CARR, AND CHILDS; ASSOCIATE PROFESSOR SCATES; VISITING ASSISTANT PROFESSOR VAN ALSTYNE; DR. WATSON; AND ASSISTANTS

Courses in the Department of Education are designed for two groups of students: (1) students with teaching experience or others who have definitely chosen teaching as their life-work, and (2) students who desire to study the school as an outstanding social institution.

Students who do not expect to teach but merely desire an understanding of the school as part of a liberal education are advised to elect such courses as 4, 8, 54, 104, and 105 for their introductory work in the Department and then to elect further work in accordance with their special interests. Students who expect to engage in the various phases of teaching should plan their courses in accordance with the general regulations for Groups V and VI as outlined in this catalogue. Students preparing for college teaching should elect courses in the history and philosophy of education and in educational psychology.

1. Orientation Course in Study and Study Habits.—A course for Freshmen whose high-school and other records indicate the need of help in working out a satisfactory method of study. The factors of study, the use of textbooks, note-taking from lectures and parallel readings, and applications of the factors of study to the daily problems of the student are among the matters considered. *Either semester. 3 s.h. (w & e)* STAFF

4. Introductory Course in History of Education.—A special section of course 54, for Sophomores and for Freshmen who have had course 8. *Either semester. 3 s.h. (e)* STAFF

6. A Study of Reading Skills.—This is a course in the psychology of reading. It is a study of individual and group problems of reading, intended to aid those who need to read more rapidly and to develop habits of reading for specific purposes. Diagnosis of reading difficulties and remedial procedure emphasized. Enrollment limited to twenty-five students. Admission by consent of instructor. Laboratory and materials fee, \$2.00. *Either semester. 3 s.h. (e)* VISITING ASSISTANT PROFESSOR VAN ALSTYNE

8. The Learning Process.—A course in elementary educational psychology, required of all Freshmen and Sophomores entering Group VI. *Either semester. 3 s.h. (w & e)* STAFF

54. Introductory Course in History of Education.—A study of the types of educational systems and institutions evolved in Western Europe and the United States as an introduction to current educational problems. *3 s.h. (w)* PROFESSORS HOLTON AND CARR

58. The Learning Process.—A special section of course 8, intended for Juniors. *Either semester. 3 s.h. (e) first semester and (w) second semester.* DR. WATSON

68. Mental Hygiene of the School Child.—A study of personality factors as related to the adjustment and success of the school child, the foundations of motivation; typical problems of maladjustment; social heredity and its educational implications; variations in intelligence. *3 s.h. (e)* ASSISTANT PROFESSOR VAN ALSTYNE

83. Current Trends in American Public School Organization.—A study of current controversies and criticisms bearing on the organization and administration of the public schools, recent developments in the organization of schools, and the theories underlying these developments. *3 s.h. (e)* PROFESSOR PROCTOR

101. Introduction to Teaching.—A survey of the work of the teacher based upon a general theory of the learning and teaching process. Preliminary discussion of the qualifications and training of teachers and the nature and aims of education. Development of a theory of the curriculum; discussion of the nature of subject matter as related to pupil activity; modern classroom procedure in teaching, including an introduction to educational measurements. *3 s.h. (e)* PROFESSOR CARR

103. School Organization and Administration for the Classroom Teacher.—*Either semester. 3 s.h. (w) first semester and (E) second semester.*

PROFESSOR PROCTOR

105. Introduction to Educational Sociology.—A study of social forces, processes, and values as affecting education, and the interaction of school and community. **3 s.h. (E)**

PROFESSOR CHILDS

112. Methods of Teaching and Presentation of Subject Matter in the Primary Schools.—A study of materials and methods in the primary school subjects with special reference to reading, language, number, and the social studies; introduction to the psychology of the primary school branches; practice in using educational tests. A minimum of thirty laboratory periods of observation and practice teaching. Prerequisite: course 101. *For Seniors only.* **4 s.h. (E)**

PROFESSOR CARR

A. Integrated Art in the Public School.—This course consists of three semester hours of work in materials and methods. (Required of all students completing requirements in Group VIB, Elementary School Teaching, of the "Groups of Studies for the Degree of Bachelor of Arts.") *For Juniors and Seniors.* **(E)**

MRS. MASON

[Not offered in 1943-44, unless as many as eight students enroll.]

B. Industrial Art in the Public School.—This course consists of three semester hours of work in materials and methods. (Required of all students completing requirements in Group VIB, Elementary School Teaching, of the "Groups of Studies for the Degree of Bachelor of Arts.") *For Juniors and Seniors.* **(E)**

MRS. MASON

[Not offered in 1943-44, unless as many as eight students enroll.]

115-116. Secondary Education: Principles and Practice.—The study of the nature, scope, and methods of secondary education, emphasizing fundamentals of the teaching process and exemplifying theory by practice. Sixty hours of observation work and thirty hours of supervised practice teaching required. Students preparing to teach in the junior high school are permitted to concentrate in that field. *Students must arrange their schedule to permit four hours of observation, conference, and practice teaching weekly. Since practice-teaching facilities are limited, students with superior record will be given preference in the practice teaching. No student who has not passed the work of the Junior year at Duke University with an average of at least one and one-half quality-points will be permitted to do practice work. Students who have the required average in quality-points must before February 1 pass with grade of "B" or better, examination in the subject they expect to teach, based upon course of study of the school in which they expect to do their practice teaching. Before entrance into practice teaching, students must complete thirty hours of observation under supervision. Their first five hours of practice must be satisfactory to the instructor directing observation and to the teacher of the class taught before they can continue the thirty hours of practice teaching required by the course. For Seniors only. 6 or 8 s.h. [One section of 115 and one of 116 will be offered each semester of 1943-44.] (w)*

PROFESSOR CHILDS AND ASSISTANTS

118. Educational Implications of Genetic Psychology.—A course tracing the development of the individual through the stages of growth and learning, with emphasis upon early and later childhood; the development of such behavior patterns as play, language, etc.; the process of socialization; and similar material of especial significance to teachers in the elementary schools. **3 s.h. (w)**

PROFESSOR BROWNELL

122. Methods of Teaching and Presentation of Subject Matter in the Grammar Grades.—A study of materials and methods in the grammar grade subjects with special reference to reading, language, number, and the social studies; introduction to the psychology of the grammar grade branches; practice in the use of educational tests. A minimum of thirty laboratory periods of observation and practice teaching. Prerequisite: course 101. *For Seniors only.* 4 s.h. (E) PROFESSOR CARR

128. Tests and Measurements in Personnel Work.—A critical study of the principles and techniques of measurement in industrial, social, and educational personnel work. The course attempts to serve three purposes: (1) acquaint the student, as a matter of cultural interest, with the rapidly expanding field of personnel study, (2) provide a basis of technical training to enable the student to develop himself professionally after he enters personnel work, and (3) provide a basis for personnel vocational orientation. 3 s.h. (w) DR. WATSON

131. Observation and Practice Teaching.—Open to Seniors who are enrolled in course 101. Separate work for primary and grammar grade teachers. 1 s.h. (E) PROFESSOR CARR

132. Materials and Methods in Health Education.—Identical with Health Education 132. 3 s.h. (w) ASSISTANT PROFESSOR AYCOCK

136. The Teaching of High-School English.—Identical with English 142. *For Seniors only.* 3 s.h. (E) ASSISTANT PROFESSOR JORDAN

142. Children's Literature.—Students enrolled will be allowed to specialize in literature of either the primary or grammar grades. *First semester.* 3 s.h. (E) PROFESSOR CARR

158. Educational Measurements.—A special section of 258, intended for undergraduates. Principles and technique involved in measurements in education. *First semester.* 3 s.h. (E) ASSOCIATE PROFESSOR SCATES

170. The Social and Economic Position of Women.—A course in vocational guidance for women counting as a general elective, but not as part of either a major or minor in Education or towards a North Carolina State teacher's certificate. The purpose of the course is to give the historical background of the changing social and economic position of women, the contributions made by outstanding women, and the vocational opportunities, open to women. 2 s.h. (E) MRS. SMITH

176. Materials and Methods in High-School Science.—Discussion, based upon lectures and collateral reading, of such topics as aims, tests for values, the curriculum, classroom procedure, course and lesson planning in secondary school science. Prerequisite: at least eighteen hours of science in college. *For Seniors only. First semester.* 3 s.h. (w) ASSOCIATE PROFESSOR SCATES

185. The Teaching of Religion and Ethics.—Identical with Religion 193; counts as elective in Education only for those students preparing to teach religion in secondary schools. 3 s.h. (w) ASSISTANT PROFESSOR CRUM

200. Introduction to the Philosophy of Education. 3 s.h. (w) PROFESSOR HOLTON

203. Principles of School Administration.—Prerequisite: six semester hours of courses 103 and 58 or their equivalent. 3 s.h. (w) PROFESSOR PROCTOR

205. Curriculum Problems in Secondary Education.—A consideration of the aims and objectives of secondary school subjects, emphasizing practical problems of curriculum-making in the high school. **3 s.h. (E)**

[Not offered in 1943-44]

PROFESSOR CHILDS

206. Sociological Foundations of the Secondary School Subjects.—A consideration of the aims and objectives of secondary school subjects, emphasizing problems of curriculum-making. Prerequisite: general sociology or approved work in education, including course 105. *First semester* **3 s.h. (w)**

PROFESSOR CHILDS

207. Technique of Teaching.—An advanced course in the teaching process, dealing with the theory underlying sound technique and applied specifically to the work of the elementary school. **3 s.h. (E)**

PROFESSOR CARR

[Not offered in 1943-44]

208. Mental Tests and Applications.—A study of the development of intelligence testing, the concept of general intelligence, various recent applications of mental tests, and training in the giving of individual tests. Prerequisite: course 258 or six semester hours of other work in educational psychology or psychology. **3 s.h. (E)**

ASSISTANT PROFESSOR VAN ALSTYNE

208B. Mental Tests and Applications.—A continuation of course 208 intended to provide experience in the administration of mental tests and in the interpretation of data. (Open only to students approved by the instructor.) **2 s.h. (F)**

VISITING ASSISTANT PROFESSOR VAN ALSTYNE

209. Statistical Methods Applied to Education.—A study of statistical methods of treating educational and social data designed to enable teacher or administrator to interpret and use the results of scientific investigations in education. **2 s.h. (E)**

ASSOCIATE PROFESSOR SCATES

212. Psychology of the Elementary School Subjects.—A study of the psychology of learning as applied to teaching the common school subjects. **3 s.h. (E)**

PROFESSOR CARR

214. History of Education in the United States.—A study of the development of the American public school and the interaction of higher education and the public school. **3 s.h. (w)**

PROFESSOR HOLTON

[Not offered in 1943-44]

216. Psychological Principles of Secondary Education.—A study of adolescence and the psychology of learning as applied to teaching the principal high-school subjects. **3 s.h. (w)**

PROFESSOR CHILDS

[Not offered in 1943-44]

217. Advanced Educational Psychology.—A systematic survey of the field of educational psychology, required of all majors in that field. **3 s.h. (E)**

PROFESSOR BROWNELL

218. Educational Implications of Genetic Psychology.—Special section of course 118, intended primarily for graduate students, ordinarily not offered the same year in which 118 is given. Prerequisite: six semester hours of psychology or educational psychology. **3 s.h. (E)**

PROFESSOR BROWNELL

219. Experimental Education.—The course is designed to provide training (1) in planning, (2) in prosecuting, and (3) in reporting quantitative investigations in the field of education, more especially in the field of learning and teaching the various school subjects. *First semester.* **3 s.h. (E)**

[Not offered in 1943-44]

PROFESSOR BROWNELL

222. The Curriculum and Materials of the Elementary Grades.—A study of curriculum problems in the elementary school. 3 s.h. (E) PROFESSOR CARR
[Not offered in 1943-44]

225. The Teaching of History and the Social Studies. Identical with History 211. The course counts as an elective in the Department of Education only when approved by the Department and the instructor. 3 s.h. (W)
ASSISTANT PROFESSOR MANCHESTER

227. The Psychology of Learning: Problems.—The major problems related to the learning process will be examined, with the experimental literature bearing on them. The curves of learning and forgetting, the distribution of practice, economical methods of learning, and the transfer of training will be the major topics considered. 3 s.h. (E) ASSISTANT PROFESSOR EASLEY
[Not offered in 1943-44]

228. The Psychology of Learning: Theoretical and Experimental.—This is a continuation of course 227. In this semester the laws of learning, the most important explanatory principles, and the major systems of the psychology of learning will be considered. Class experiments will run throughout the semester. Prerequisite: course 227 or its equivalent. *First semester.* 3 s.h. (E)
[Not offered in 1943-44] ASSISTANT PROFESSOR EASLEY

232. Elementary School Supervision.—A survey of supervision as a means of improving instruction and adapting the curriculum to child and community needs. 3 s.h. (E) PROFESSOR CARR
[Not offered in 1943-44]

233. Administrative Pupil-Accounting.—An advanced study of gradation and classification of pupils, with incidental attention to the keeping of records and the making of reports. The study includes a consideration of individual differences, promotions, acceleration, and retardation of pupils; the various plans for classification and gradation; interpreting the results of tests; and some practice in the computation of statistical measures. *Second semester.* 3 s.h. (W) PROFESSOR PROCTOR

234. Secondary School Organization and Administration.—A study of the outstanding problems of secondary school organization and administration other than the problem of gradation and classification of pupils. *First semester.* 3 s.h. (W) PROFESSOR PROCTOR

237. Investigations in Reading.—A summary of the results of the more important scientific studies in reading; interpretation of the results in terms of aims, methods, materials of instruction, testing diagnosis, and supervision; emphasis on problems requiring further investigation. 3 s.h. (E) PROFESSOR CARR

244. Studies in the Historical Development of Public School Administration.—An advanced course devoted to the development of public school administration in the South, with especial reference to North Carolina as a type. 3 s.h. (W) PROFESSOR HOLTON
[Not offered in 1943-44]

246. The Teaching of Mathematics.—Identical with Mathematics 204. The course counts as an elective in the Department of Education only when approved by the Department and the instructor. 3 s.h. (E) PROFESSOR RANKIN
[Not offered unless enrollment justifies.]

247. Investigations in Arithmetic.—An analytical survey of investigations in arithmetic, with three purposes in view: (1) to examine the techniques employed with respect to their adequacy as means of solving the problems

attacked; (2) to test the validity of the results announced and the values of these results for the teaching of arithmetic; (3) to locate further problems in arithmetic in need of scientific research. *Second semester. 3 s.h. (w)*

PROFESSOR BROWNELL

253. Legal Phases of School Administration.—A study of judicial decisions and the development of outstanding features of statute law controlling school administration, with special emphasis upon North Carolina materials. *3 s.h. (w)*

PROFESSOR HOLTON

[Not offered in 1943-44]

254. History of Secondary Education in the United States.—A study of historical and comparative conceptions of the secondary school, changes in American life affecting the secondary school, present status of the secondary school, current tendencies toward expansion, and the problem of state and federal aid. *3 s.h. (w)*

PROFESSOR PROCTOR

258. Educational Measurements.—A critical study of the principles and techniques involved in measurement in education, with opportunity for individual research. Prerequisite: twelve semester hours in the Department, including a course in educational psychology. *3 s.h. (E)*

ASSOCIATE PROFESSOR SCATES

264. Recent Movements in American Education.—An intensive study of educational thought and practice since 1900. *3 s.h. (w)*

PROFESSOR HOLTON

[Not offered in 1943-44]

266. The Teaching of High-School French. Identical with French 218. *3 s.h. (w)*

PROFESSOR WEBB

294. Comparative Education: Recent Movements in European Educational Systems.—A comparative study of the school systems of the principal countries of Europe, with emphasis upon changes since the World War. *First semester. 3 s.h. (w)*

PROFESSOR CARR

DEPARTMENTAL MAJOR

A major in the Department of Education consists of twenty-four semester hours of work above the Freshman year, not including any work listed as primarily for Freshmen, and including at least six semester hours of courses limited to Seniors or to Seniors and Graduates. Students, however, who obtain credit for courses 4 and 8 will be permitted to complete a major by taking twenty hours of additional work in the Department, provided twelve hours are courses limited to Seniors or to Seniors and Graduates. Before graduation, majors in the Department must have credit for at least one course in educational psychology, such as 8, 58, or 68, and one course in history and philosophy of education, or in educational sociology. The remainder of their work may be elected from courses listed for Sophomores, Juniors, and Seniors, provided at least six semester hours of the course work are taken from courses listed for Seniors and Graduates, and provided that not more than six semester hours may be of courses numbered below 100.

DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in education who have passed with grade of "B" or better in their Freshman or Sophomore years six semester hours of education.

Candidates for Honors in education are required to take in the Junior year twelve semester hours in the Department and to make an average of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of

twelve semester hours of supervised reading in education, the candidate must elect with the approval of the Departmental Committee on Honors six semester hours of work from the courses in education offered in the 200 group, on which he is required to make a grade of "B" or better and twelve semester hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester hours shall be devoted to the History of Education; the remaining six semester hours shall be devoted to Educational Psychology, or Secondary Education, or Elementary Education, or Public School Administration as the student may elect and the Departmental Committee approve. In exceptional cases, qualified students may be permitted to take six semester hours of the supervised reading during the Junior year and increase the amount of course work in the Department the Senior year.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

ENGLISH

PROFESSOR BROWN, CHAIRMAN; ASSISTANT PROFESSOR SANDERS, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BAUM, GILBERT, GOHDES, HUBBELL, IRVING, AND WHITE; ASSOCIATE PROFESSORS BLACKBURN, PATTON, MITCHELL, AND WARD; ASSISTANT PROFESSORS BEVINGTON, HERRING, JORDAN, LEARY, SUGDEN, TALBERT, VANCE, WEST, AND WHITE; DRS. CARPENTER, HARWELL, AND POTEAT; MESSRS. BRICE, FITZGERALD, AND LEWIS

COMPOSITION

English L. Those Freshmen whose scores in the placement tests are too low to justify their admission into English 1 are required to have credit for English L before they may enter English 1. 3 s.h.

DR. HARWELL AND MR. FITZGERALD

1-2. English Composition.—All Freshmen are required to take course 1 and course 2.

Students in **English 1** who do not earn a passing grade during the first semester are required to repeat the course during the spring semester; if they earn a grade of "D" or better at the end of the second semester, they receive credit for English 1, and during their Sophomore year they are required to do the work of **English 2**. Students in courses 1 and 2 who fail to make an average of "C" or better are strongly advised to earn credit for **English 53** during their Sophomore year. 6 s.h. (E & W)

ASSOCIATE PROFESSORS BLACKBURN, PATTON, AND WARD; ASSISTANT PROFESSORS BEVINGTON, JORDAN, LEARY, SANDERS, SUGDEN, VANCE, AND WHITE; DRS. CARPENTER, HARWELL, AND POTEAT; MESSRS. BRICE AND FITZGERALD

53. English Composition.—A second course in composition planned especially for all students who make an average grade below "C" in English 1 and 2. Offered again in the second semester. 3 s.h. (W & E)

ASSISTANT PROFESSOR JORDAN

54. Composition.—This is a practical course in composition for those who desire a greater mastery of, and facility in, the use of the language than they get from English 1-2 and 53. 3 s.h. (W) ASSISTANT PROFESSOR JORDAN

65-66. Approaches to Imaginative Writing.—This course stresses the essentials of imaginative writing with the aim particularly to develop skill in the writing of prose and of poetry; the work includes also the analysis of selected models. The number of students in this course is limited, and all must have the consent of the instructor. Open to Sophomores and in special cases to Freshmen. **6 s.h. (w)** ASSISTANT PROFESSOR SANDERS AND DR. CARPENTER

101-102. Composition.—This work is planned for those who have done good work in the required courses in composition. Students who wish to take this course must have made a grade of "B" or better in English 1-2 or they must have credit for English 1-2 and English 53. The number of students is limited, and all must have the consent of the instructor. Open to men and women. **6 s.h. (w)** ASSOCIATE PROFESSOR MITCHELL

103-104. Composition.—Instruction in this course is concerned largely with descriptive and narrative writing. Only students who are able to write with facility and correctness are expected to enroll; they must have the consent of the instructor. Open to women and men. **6 s.h. (E)** ASSOCIATE PROFESSOR BLACKBURN

107-108. Journalism.—The first semester is devoted to news-writing and copy-reading; the second semester, to the writing of feature articles and editorials. **6 s.h. (w)** ASSISTANT PROFESSOR SUGDEN

109-110. Composition.—This course is planned primarily for those students who have credit for course 103-104 although other students may be admitted provided they are qualified; students who register for the course must first have the consent of the instructor. **6 s.h. (E)** ASSOCIATE PROFESSOR BLACKBURN

133-134. Verse-Writing.—See description of this course on page 93.
[Not offered in 1943-44] PROFESSOR WHITE

DRAMATICS AND SPEECH

105-106. Play-Writing.—The work of this course is concerned chiefly with the technique of the one-act play though study is made also of the longer forms. Worthy plays written by students are presented by the members of the play-production course. Open to Juniors and Seniors and also to such Sophomores as are approved by the Dean. **6 s.h. (w)** ASSISTANT PROFESSOR WEST

119-120. History of the Theater.—A study of the development of the theater, of methods of production, and of representative plays of the various periods from the time of the early Greeks to the present day constitutes the work of this course. Open also to Sophomores approved by the Dean. **6 s.h. (w)** ASSISTANT PROFESSOR WEST

121-122. Play-Production.—This is a course dealing with the theory and practice of producing plays. The work includes make-up, lighting, scene-design and painting, costume, directing, and stage-management. Plays are studied with a view to producing them. There is practice work both in the laboratory and in the theater. Open also to Sophomores approved by the Dean. **6 s.h. (w)** ASSISTANT PROFESSOR WEST

139-140. The Speaking Voice.—This course gives training in placement, pitch, range, and diction for use in professional work and in daily conversation. Open to all undergraduates with the approval of the Dean. **6 s.h. (w)** ASSISTANT PROFESSOR WEST

FOR SOPHOMORES, JUNIORS, AND SENIORS

151. **Speech.** A course in the fundamentals of public speaking with emphasis upon the effective presentation of ideas. 3 s.h. (W & E)

ASSISTANT PROFESSOR HERRING AND MR. LEWIS

152. **Argumentation.**—A course dealing with the principles of argumentation and debating with special emphasis upon brief-making and practice-speaking. Public questions are studied as parallel work. Prerequisite: English 151. 3 s.h. (W)

ASSISTANT PROFESSOR HERRING AND MR. LEWIS

ENGLISH AND AMERICAN LITERATURE AND LANGUAGE

55-56. **Representative Writers.**—6 s.h.

PROFESSOR IRVING, ASSOCIATE PROFESSORS BLACKBURN AND WARD,

ASSISTANT PROFESSORS SANDERS, SUGDEN, VANCE, AND DR. POTEAT

63-64. **A Survey of English Poetry.**—6 s.h. (W & E)

ASSOCIATE PROFESSOR MITCHELL

123-124. **Shakespeare.**—6 s.h. (W)

PROFESSOR BROWN AND ASSISTANT PROFESSOR TALBERT

125-126. **English Literature, 1789-1832.**—6 s.h. (W & E)

PROFESSOR WHITE, ASSOCIATE PROFESSOR PATTON,

AND ASSISTANT PROFESSOR WHITE

127-128. **English Prose Literature, 1832-1900.**—6 s.h. (W)

ASSISTANT PROFESSOR BEVINGTON

129-130. **The History of the Novel in England.**—6 s.h. (W & E)

ASSOCIATE PROFESSOR MITCHELL AND ASSISTANT PROFESSOR VANCE

133-134. **Verse-Writing.**—This work is offered each year for not less than three or more than six students, who must make to the instructor written application accompanied by some original verse. Open to Seniors, Juniors, and in exceptional cases to Sophomores. 3 s.h. (W) PROFESSOR WHITE

[Not offered in 1943-44]

137-138. **American Literature.**—6 s.h. (W & E)

PROFESSOR GOHDES AND ASSISTANT PROFESSOR LEARY

142. **Materials and Methods in High-School English.**—*First semester.* 3 s.h. (E) ASSISTANT PROFESSOR JORDAN

145-146. **English Poetry, 1832-1900.**—6 s.h. (W)

ASSISTANT PROFESSOR SANDERS

153-154. **Comparative Literature.**—Readings in important texts of English and Continental literature (in translation); studies in types. 6 s.h.

PROFESSOR IRVING

155-156. **Contemporary Drama.**—Open to Junior and Senior women and to those Sophomores recommended by the Dean. 6 s.h. (E)

ASSISTANT PROFESSOR WHITE

157-158. **Contemporary British and American Fiction.**—Open also to Sophomores recommended by the Dean. 6 s.h. (W)

ASSISTANT PROFESSOR LEARY

159-160. **English Literary Biography.**—6 s.h. (W)

PROFESSOR WHITE

161-162. **The History of the English Language.**—This work is strongly recommended for all majors in English. ASSISTANT PROFESSOR TALBERT

[Not offered in 1943-44]

165-166. **The Short Story in America.**—6 s.h. (E)

PROFESSORS HUBBELL AND GOHDES

167-168. **English Prose of the Romantic Period.**—6 s.h.

ASSOCIATE PROFESSOR PATTON

FOR SENIORS AND GRADUATES

201-202. **Anglo-Saxon.**—The first half of the year is given to the reading of prose and to a study of the language; the second half, to the reading of *Beowulf*. 6 s.h.

PROFESSOR BROWN

203-204. **Chaucer.**—The work consists of the reading and study of the principal *Canterbury Tales*, the *Troilus*, the minor poems, and some of the translations. Students prepare a reading report and a term paper. 6 s.h.

[Not offered in 1943-44]

PROFESSOR BAUM

207-208. **English Literature, 1400-1550.**—6 s.h.

PROFESSOR BAUM

[Not offered in 1943-44]

209-210. **English Literature, 1625-1700.**—6 s.h. ASSOCIATE PROFESSOR WARD

211-212. **Nondramatic English Literature, 1550-1625.**—6 s.h.

PROFESSOR GILBERT

213-214. **Folk-Lore and Folk-Songs.**—The first half of the work consists of an extensive study of the field of folk-lore; the second, of the ballad and other folk-songs. 6 s.h.

PROFESSOR BROWN

[Not offered in 1943-44]

215-216. **Elizabethan Drama.**—6 s.h. (w) ASSISTANT PROFESSOR TALBERT

217. **Spenser.**—In this course the students study the works of Spenser, giving especial attention to the major poems. 3 s.h. (w)

PROFESSOR GILBERT

218. **Milton.**—A detailed study of Milton's prose and poetry with emphasis upon the major poems constitutes the work of this course. There are frequent written reports and a term paper. 3 s.h. (w)

PROFESSOR GILBERT

219-220. **English Literature of the Eighteenth Century.**—The prose and poetry of the Age of Pope are reviewed in the first semester, of the Age of Johnson in the second. Term papers are required. 6 s.h. (w)

PROFESSOR IRVING

227-228. **Literary Criticism.**—This work consists of a study of the history of literary criticism from Aristotle to the present. There are oral and written reports and term papers. 6 s.h.

PROFESSOR GILBERT

229-230. **American Literature, 1800-1870.**—This work consists of a survey of the principal writers of the period. There are two oral reports and a term paper each semester. 6 s.h.

PROFESSOR HUBBELL

231-232. **Special Studies in American Authors.**—6 s.h.

[Not offered in 1943-44]

PROFESSOR GOHDES

233-234. **American Literature since 1870.**—The work is a survey of the period, including the writings of a few of the most important living authors. One term paper each semester. 6 s.h.

PROFESSOR GOHDES

239-240. **Shakespeare Problems.**—Students should have read the principal plays before entering the course. 6 s.h. (w)

PROFESSOR BROWN

[349-350b offered instead of this in 1943-44.]

269. **Southern Literature and Culture.**—3 s.h.
[Not offered in 1943-44]

PROFESSOR HUBBELL

DEPARTMENTAL MAJOR

Prerequisites: English 1 and 2.

Requirements for the Major: A major in English consists of twenty-four semester hours of credit distributed as follows: six hours must be carried in English 55-56 or in English 63-64 and eighteen hours credit, in courses in English and American literature of the 100 or 200 group.

FORESTRY

Students without a Bachelor's degree who are preparing for work in forestry as a profession should take the courses outlined under the Academic-Forestry Combination (see pages 65-66). However, with the consent of the instructor in charge, certain forestry courses may be elected by students in other curricula provided they have had adequate preparation (see *Bulletin of the School of Forestry*).

Members of the Sophomore, Junior, and Senior classes may elect the following course:

52. **Principles of Forestry.**—An introduction to forestry emphasizing the economic and social importance of forests and their influence on stream flow, water supply, soil, and erosion; brief studies of individual trees and the life history of forests and their reproduction, treatment, and protection; principal forest regions and timber trees of United States; a brief history of forestry in America and present-day forestry agencies. Work consists of lectures, assigned readings, and reports. 2 s.h. (w) ASSOCIATE PROFESSOR MAUGHAN

GEOLOGY

ASSOCIATE PROFESSOR BERRY

51. **General Geology.**—This course is designed to give a general view of the surface features of the earth, their origin, structure, and materials. Illustrative materials are studied in the laboratory. Excursions are made to neighboring points where the principles of the science are studied in the field. Three one-hour lectures or recitations and one three-hour laboratory. 4 s.h. (w) ASSOCIATE PROFESSOR BERRY

52. **General Geology.**—This course is designed to give some knowledge of the chief events of the earth's history. Excursions will be made to suitable neighboring localities. Three one-hour lectures or recitations and one three-hour laboratory. Prerequisite: Geology 51. 4 s.h. (w)

ASSOCIATE PROFESSOR BERRY

53. **Physiography.**—A detailed study of the processes at work on the land surface and the topographic forms produced by them under different climatic conditions. This course includes practice in the interpretation of topographic maps. Three one-hour lectures or recitations and one three-hour laboratory. (Given both semesters but not open to students with credit for Geology 51. 4 s.h. (w) Limited to twenty-four students. ASSOCIATE PROFESSOR BERRY

101-102. **Mineralogy.**—This course is devoted to a study of the fundamentals of crystallography and the crystal groups, using crystal models and crystallized minerals. Followed by the systematic study of about 175 important minerals. Determinative work includes exercises on sight recognition, identification by blowpipe, and other physical and chemical tests. Excursions will be made to neighboring mineral localities. Three two-hour periods. Prerequisite: Chemistry 1-2 (can be taken concurrently). 8 s.h. (w)

ASSOCIATE PROFESSOR BERRY

151. Economic Geology.—Study of world distribution, geologic occurrence, and uses of important mineral deposits. Three one-hour lectures or recitations and one three-hour laboratory. Prerequisite: Geology 101-102. **4 s.h. (w)**

ASSOCIATE PROFESSOR BERRY

152. Introductory Paleontology.—Systematic study of invertebrate paleontology, dealing mainly with generic characters of the fossil invertebrates and their use in identifying and correlating geologic formations. Three one-hour lectures or recitations and one three-hour laboratory. Prerequisites: Geology 51, 52, and Zoology 1. **4 s.h. (w)**

ASSOCIATE PROFESSOR BERRY

DEPARTMENTAL MAJOR

Prerequisites: None for Geology 51. Chemistry 1-2 for Geology 101-102; Zoology 1 for Geology 152.

Major Requirements: Geology 51, 52, 101-102, 151, 152.

GERMAN LANGUAGE AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN; ASSISTANT PROFESSOR MAXWELL, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS WANNAMAKER AND KRUMMEL; DR. SHEARS; MR. NAU

All courses except Elementary and Intermediate German may be taken for one semester only, when circumstances make it advisable.

1-2. Elementary German.—6 s.h. (E & W)

ASSISTANT PROFESSOR WILSON AND STAFF

3-4. Intermediate German.—6 s.h. (E & W)

PROFESSOR KRUMMEL AND STAFF

51-52. Third-Year German.—For Freshmen and Sophomores primarily. A transition course between Intermediate German and the literary and scientific courses of the 100 and 200 groups. **6 s.h. (w)**

101-102. Elementary German.—For Juniors and Seniors primarily. **6 s.h. (w)** This course proceeds more rapidly than German 1-2.

103-104. Intermediate German.—For Juniors and Seniors primarily. **6 s.h. (w)** This course proceeds more rapidly than German 3-4.

ASSISTANT PROFESSOR WILSON

107. Scientific German.—The German language as used in the various contemporary sciences. **3 s.h. (w)**

PROFESSOR KRUMMEL AND DR. SHEARS

108. Advanced Scientific and Medical German.—Advanced scientific German with special emphasis on medical German. **3 s.h. (w)**

PROFESSORS KRUMMEL AND VOLLMER

109-110. German Prose Fiction.—Origin and development of the German novel with special emphasis on the nineteenth century. **6 s.h.**

[Not offered in 1943-44]

PROFESSOR KRUMMEL

111-112. Introduction to the Classic Drama.—Selected dramas from Lessing, Goethe and Schiller. **6 s.h. (w)**

ASSISTANT PROFESSOR WILSON

113-114. Nineteenth-Century German Poetry.—In the first semester the lyric is studied and in the second semester the ballad. **6 s.h.**

[Not offered in 1943-44]

ASSISTANT PROFESSOR WILSON

115-116. German Drama of the Nineteenth Century.—A study of leading dramatists from Kleist to Hauptmann. **6 s.h. (w)**

PROFESSOR KRUMMEL

117-118. **German Conversation.**—A course in writing and speaking German for properly qualified students. 6 s.h. PROFESSOR VOLLMER

119-120. **German Literature in English Translation.**—The great epochs in German literature studied through English translations. 6 s.h. (w) PROFESSOR VOLLMER

[*Cannot be taken for foreign language credit. Knowledge of German not required.*]

121-122. **Schiller.**—A study of his life and works in relation to the culture of the eighteenth century. 6 s.h. PROFESSOR VOLLMER

123-124. **Modern German Short Story.**—Development and technique of the novelle. 6 s.h. DR. SHEARS
[Not offered in 1943-44]

125-126. **Contemporary German Literature.**—A study of representative works of the twentieth century. 6 s.h. (w) DR. SHEARS

129-130. **Military and Service German.**—A study of descriptive and documentary material in the German language as used in military, political, and diplomatic writings of recent years. Open to all properly qualified students. 3 s.h. per semester. (w)

201-202. **Goethe.**—A study of Goethe's life and works, with special emphasis upon the broader aspects of his ever widening interests and literary activities. 6 s.h. (w) PROFESSOR KRUMMEL

207-208. **German Romanticism.**—The course covers the entire field of German romanticism from 1800 to 1850. 6 s.h. (w) PROFESSOR VOLLMER
[Not offered in 1943-44]

209-210. **Kleist, Grillparzer, and Hebbel.**—The dramatic development in Germany after Schiller. 6 s.h. PROFESSOR KRUMMEL
[Not offered in 1943-44]

211-212. **Heinrich Heine and Young Germany.**—Heine's life and thought, culminating in the Jungdeutschland Movement. 6 s.h. PROFESSOR VOLLMER

213-214. **Literature of the Empire, 1871-1914.**—A study of the literature of this period as determined particularly by the philosophical, social, political, and religious factors. 6 s.h. PROFESSOR VOLLMER
[Not offered in 1943-44]

DEPARTMENTAL MAJOR

1. *Prerequisites:* German 1-2 and 3-4.

2. *Major Requirements:* Twenty-four hours in the German Department. Twelve of these must be selected from the 200 courses. The remaining twelve may be selected from German 51-52 and any courses in the 100 group except 101-102, 103-104, and 119-120.

HONORS IN GERMAN

Prerequisites:

1. For admission to candidacy for Honors in German, a student must have begun the study of the language not later than the Freshman year in college.

2. A student who has completed at least 12 s.h. of college German by the end of the Sophomore year with a grade of "A" or "B" (equivalent courses in secondary schools or in other colleges may be presented as substitutes) is eligible to apply to the Departmental Committee for permission to read for Honors in German.

General Rules:

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester hours of work.

II. *Work in the German Department:* The amount of work taken in the German Department shall be the equivalent of thirty-six semester hours. Of this the work done in the Honors tutorials shall count twelve hours, six hours for the Junior year and six hours for the Senior year. The comprehensive examinations at the end of the Senior year are counted as part of this twelve semester hours credit.

III. *Related Work:* The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester hours, must be distributed among not less than two departments, unless the Departmental Committee gives special permission for the student to take his related work in one department.

IV. *General Honors Examinations:* In May of the Senior year the candidate will be given a general written examination, conducted by his Adviser, on his Honors Reading. A general oral examination, conducted by the Departmental Committee and presupposing a general knowledge of the development of German culture and civilization and a practical ability in the use of the German language, will also be conducted in May.

GREEK

PROFESSOR PEPPLER, CHAIRMAN, AND DIRECTOR OF UNDERGRADUATE STUDIES; DR. ROSE, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSISTANT PROFESSOR WAY; DR. TRUESDALE

Courses 15, 121-122, 141-142, and 131 are entirely in English and require no knowledge of the Greek language. The purpose in offering them is to give a wider circle of students some conception of the debt which modern civilization owes to the Greeks.

1-2. *Course for Beginners.*—Open to all students. 6 s.h. (w)

PROFESSOR PEPPLER

53-54. *Xenophon.*—*Anabasis*, Books I-IV. Open to students who have completed course 1-2. 6 s.h. (w)

DR. ROSE

105-106. *Homer.*—*Iliad*, Books I-VI. Open to students who have completed courses 1-2 and 53-54 or their equivalent. 6 s.h. (w)

PROFESSOR PEPPLER

107-108. *Plato.*—*Apology*, *Crito*, and selections, together with collateral reading in the *Memorabilia* of Xenophon and in the *Clouds* of Aristophanes. *Euripides.*—One play to serve as an introduction to Greek tragedy. Open to students who have completed the required preliminary work. 6 s.h. (w)

ASSISTANT PROFESSOR WAY

15. *Mythology.*—A study of Greek mythology and the use made of it in art and English literature. No knowledge of the Greek language is required. Open to Freshmen as an elective in either semester. 3 s.h. (w)

DR. ROSE

115-116. *Sight Reading in Greek.*—Three hours per week through the year. 4 s.h. (w)

ASSISTANT PROFESSOR WAY AND DR. ROSE

117-118. *Greek Prose Composition.*—The character of this course is determined by the needs of the students who elect it. 3 s.h. (w)

PROFESSOR PEPPLER

121-122. Greek Literature in English Translation.—The purpose of this course is to give a general survey of the life and civilization of the Greeks, especially to those who have never studied the language but wish to become acquainted with some of the choicest portions of the literature by the use of translations. It is, however, open as an elective to all Juniors and Seniors, whether they know Greek or not. First, the *Iliad* and the *Odyssey* are read in translation and illustrated with stereopticon views of the excavations and discoveries at Troy and other cities of the Aegean age; then, many of the extant plays of the three great tragic poets are studied in English translations. **6 s.h.**
(w) PROFESSOR PEPPLER

Students may elect course 122, whether they have taken course 121 or not.

141-142. Greek Art.—Lantern lectures designed to provide a comprehensive survey of the development of Greek sculpture and Greek architecture in all periods. The course is opened by a preliminary account of Egyptian, Mesopotamian, and Aegean backgrounds. Open to Seniors, Juniors, and (by arrangement) Sophomores. No knowledge of Greek is required. **6 s.h.** (w)

ASSISTANT PROFESSOR WAY

Students may elect course 142, whether they have taken course 141 or not.

131. History of Greece.—The history of the Greek world from the Late Bronze Age to the Macedonian conquest. Open to Seniors, Juniors, and (by arrangement) Sophomores. No knowledge of Greek is required. **3 s.h.** (w)

ASSISTANT PROFESSOR WAY

203-204. Homer.—*Odyssey*. Pindar and Bacchylides. **6 s.h.** (w)

ASSISTANT PROFESSOR WAY AND DR. TRUESDALE

207-208. Greek Orators.—Selected speeches. **6 s.h.** (w)

ASSISTANT PROFESSOR WAY

209-210. Plato.—*Symposium*, *Protagoras*, and parts of the *Republic*. **6 s.h.**
(w) ASSISTANT PROFESSOR WAY

Only one of the three year-courses for Seniors and Graduates (203-210), listed above, is offered each year.

243. Athenian Topography.—The topography and monuments of ancient Athens. **3 s.h.** (w)

ASSISTANT PROFESSOR WAY

244. Greek Epigraphy.—Lectures on the history of the alphabet and the development of the local Greek alphabets, followed by extensive reading of inscriptional texts in facsimile. **3 s.h.** (w)

ASSISTANT PROFESSOR WAY

245. Greek Dialects.—A linguistic study of transliterated inscriptions illustrative of the major Greek dialects. The interrelations of the dialectal forms are examined with reference, where possible, to their origin in proto-ethnic Greek. **3 s.h.** (w)

ASSISTANT PROFESSOR WAY

246. Greek Historical Inscriptions.—The more valuable historical inscriptions are read in chronological order and interpreted in their general bearing upon the course of Greek history. **3 s.h.** (w)

ASSISTANT PROFESSOR WAY

247-248. Greek Archaeology.—Advanced course in the general field for Seniors and Graduates, comprising architecture, sculpture, vases, and the minor arts. **6 s.h.** (w)

ASSISTANT PROFESSOR WAY

Of the courses numbered from 243 to 248 only two semester-courses are offered each year.

257. Social and Cultural History of the Hellenistic World from Alexander to Augustus.—Lectures, readings, and discussions. **3 s.h.** (w)

[Not offered in 1943-44]

DR. TRUESDALE

DEPARTMENTAL MAJOR

Prerequisite: Greek 1-2.

Major Requirements: A candidate for a major in Greek must complete twenty-four semester hours, including the following courses: Greek 53-54, 105-106, 107-108, 117-118, and 131.

DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in Greek the student must have completed Greek 1-2 and 53-54 or their equivalent.

Candidates for Honors must complete the following program of work:

(a) Greek 105-106, 131, 141-142, 107-108, 122, and 117-118.

(b) Four year-courses in related departments.

(c) The Honors Reading. This is tutorial work in which the student is required to read assigned portions of Greek literature by himself, to write papers on topics related to his reading, and to meet the Honors Adviser in weekly conferences for the discussion of the literature that he is reading independently. For the Honors Reading a credit of nine semester hours is given.

Students who enter the University with advanced standing in Greek take higher courses in the language than those listed above.

At the end of the Senior year candidates for Honors must pass a comprehensive examination in writing on the subject matter covered by their studies in Greek.

Graduates of Duke University may attend the American School of Classical Studies at Athens, Greece, without charge for tuition, and are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.

HEALTH AND PHYSICAL EDUCATION

TRINITY COLLEGE AND THE COLLEGE OF ENGINEERING

MR. WADE, DIRECTOR; MR. CAMERON, ACTING DIRECTOR; MESSRS. AYCOCK, CALDWELL, CARD, CHAMBERS, COOMBS, COX, CRICHTON, FOGLEMAN, GERARD, HAGLER, LEWIS, MONTFORT, PERSONS, POTTER, STANLEY

REQUIRED PHYSICAL EDUCATION FOR MEN

Six hours of credit in physical education, with an average grade of "C," must be completed for graduation. Three hours a week through the Sophomore year are needed to fulfill this requirement. All students must enroll in physical education until they have completed the requirement.

All students are required to take a medical and physical examination before registering. Those who reveal pronounced physical deficiencies are excused from regular courses in physical education and are required to take the course entitled "Individual Corrective Activities." Students assigned to this work continue to take it until they have been pronounced reasonably sound. Thereupon they withdraw from this course and register in the regular physical education course. A student may take from one to eight semesters of this special work. Students without defects may elect to take any four courses they choose. In general, these activities fall in one of three groups: those developing physical efficiency; those affording competitive contests; and those occupying recreative or leisure time. Since a student is not allowed to take the same course twice, he covers four courses in the two years of required work.

Students may receive physical education credit for participation in Freshman and varsity intercollegiate sports.

A regulation uniform, consisting of shirt, trunks, supporter, socks and sweat clothes, will be furnished each student upon payment of the Equipment and Recreation Fee and Laboratory Fee (see pages 167 and 168). Each student is required to provide rubber-soled shoes.

PHYSICAL EDUCATION CLASSES

1-2. Basketball.—1½ s.h.	MR. CALDWELL
3-4. Boxing.—1½ s.h.	MR. POTTER
5-6. Individual Corrective Activities.—1½ s.h.	MR. AYCOCK
7-8. Handball.—1½ s.h.	MR. GERARD
9-10. Softball.—1½ s.h.	MR. STANLEY
11-12. Soccer Football.—1½ s.h.	MR. GERARD
13-14. Swimming.—1½ s.h.	MR. PERSONS
15-16. Touch Football.—1½ s.h.	MR. GERARD
17-18. Tennis.—1½ s.h.	MR. COX
19-20. Tumbling Stunts.—1½ s.h.	MR. CARD
21-22. Postural Training.—1½ s.h.	MR. AYCOCK
25-26. Wrestling.—1½ s.h.	MR. POTTER
27-28. Apparatus Stunts.—1½ s.h.	MR. CARD
49. Lacrosse.—1½ s.h.	MR. POTTER
55-56. Individual Corrective Activities.—1½ s.h.	MR. AYCOCK
59. Baseball.—1½ s.h.	MR. COOMBS
61-62. Golf.—1½ s.h.	MR. CRICHTON AND MR. HAGLER
63-64. Advanced Tennis.—1½ s.h.	MR. COX
65-66. Advanced Apparatus.—1½ s.h.	MR. AYCOCK

INTERCOLLEGIATE ATHLETIC SPORTS

FRESHMEN	VARSITY
30. Baseball.—1½ s.h.	70. Lacrosse.—1½ s.h.
32. Basketball.—1½ s.h.	80. Baseball.—1½ s.h.
37. Football.—1½ s.h.	82. Basketball.—1½ s.h.
38. Football.—1½ s.h.	83. Basketball.—1½ s.h.
41. Cross Country.—1½ s.h.	87. Football.—1½ s.h.
42. Swimming.—1½ s.h.	88. Football.—1½ s.h.
44. Tennis.—1½ s.h.	90. Golf.—1½ s.h.
46. Track.—1½ s.h.	91. Cross Country.—1½ s.h.
48. Wrestling.—1½ s.h.	92. Tennis.—1½ s.h.

50. Lacrosse.—1½ s.h.

93. Soccer Football.—1½ s.h.

94. Swimming.—1½ s.h.

95. Track.—1½ s.h.

96. Track.—1½ s.h.

98. Wrestling.—1½ s.h.

ELECTIVES IN PHYSICAL EDUCATION

Students in Group VI A may elect fifteen semester hours from the courses offered below. Six semester hours may be elected from the courses listed under Special Methods in Physical Education and nine semester hours may be elected from the courses listed under Theory and Practice in Physical Education.

These courses are arranged to meet the increasing demand for teachers who are qualified to coach and teach physical education. These courses should be selected with the advice of the Director of Undergraduate Studies in order to meet the needs of the individual.

SPECIAL METHODS IN PHYSICAL EDUCATION

163. **Athletic Coaching in Secondary Schools.**—Theory and practice in the fundamentals of coaching baseball and track. Prerequisites: courses 30 or 80 and 21-22 or 46 or 96 or their equivalent. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. COOMBS, MR. CHAMBERS

164. **Athletic Coaching in Secondary Schools.**—Theory and practice in the fundamentals of coaching football and basketball. Prerequisites: courses 37 or 87 and 1-2 or 32 or 82 or their equivalent. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. CAMERON, MR. STANLEY

THEORY AND PRACTICE IN PHYSICAL EDUCATION

65. **History and Principles of Physical Education.**—A study of the objectives and principles upon which physical education is based. The history of physical education is studied in order to show the changes in objectives, principles, and methods and as an aid in the interpretation of trends. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. AYCOCK, MR. GERARD

172. **Recreational Leadership.**—Combative contests, games, mass athletics, supervision of community recreation. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. GERARD

173. **Individual Gymnastics.**—The diagnosis of abnormal cases, including overweight, underweight, post-operative, postural, and flat-foot cases, with the prescription of exercise for their correction. Open to Sophomores, Juniors, and Seniors. 3 s.h. MR. AYCOCK

182. **The Administration of Health and Physical Education in Secondary Schools.**—Presents the everyday problems that arise in the experience of the teacher of health and physical education. Open to Juniors and Seniors. 3 s.h. MR. AYCOCK, MR. GERARD

187. **School Programs of Physical Education.**—Open to Juniors and Seniors. 3 s.h. MR. GERARD

190. **Protective Practices in Physical Education.**—A study of safety measures including training and first aid. Open to Juniors and Seniors. 3 s.h. MR. CHAMBERS

WOMAN'S COLLEGE

ASSISTANT PROFESSOR GROUT, CHAIRMAN; MRS. ATKINSON, MRS. BOOKHOUT,
MISS LEWIS, MISS PETERSON, MISS SMITH, AND MISS WEEKS

PHYSICAL EDUCATION ACTIVITIES

Six hours of credit in physical education, with an average grade of "C," must be completed for graduation. Two hours a week through the Junior year are needed to fulfill this requirement.

All students are given a physical and medical examination upon entering and at intervals throughout their college course. Classes in individual gymnastics and light sports are arranged for those who should not take the more active work.

For information concerning gymnasium costumes and fees refer to pages 165 and 168.

October to December: Badminton, bowling, diving, golf, hockey, recreational sports, riding, soccer, swimming, tennis, volleyball.

December to March: Basketball, body mechanics, bowling, clog and tap dancing, folk dancing, social dancing, modern dance, rhythm fundamentals, fencing, individual gymnastics, life saving, riding, swimming, first aid.

March to May: Archery, badminton, bowling, diving, fencing, golf, life saving, modern dance, riding, softball, swimming, tennis, first aid, learning and directing recreational sports.

PHYSICAL EDUCATION THEORY

Students in Group VI A may receive academic credit for all courses listed below.

Students in Group VI B may receive academic credit for Physical Education 102, Health Education 41 and 112.

Students in all groups may receive credit for Physical Education 105-106, 108, and Health Education 41.

101. History and Principles of Physical Education.—An historical survey of physical education stressing the relation between the types of activity developed and the social and political ideals of different nations and periods. A study of the principles upon which physical education is based. Analysis of successful teaching in physical education. **2 s.h. (E)**

ASSISTANT PROFESSOR GROUT

102. The Teaching of Physical Education in Elementary Schools.—A study of methods and materials used in teaching physical education to children; includes discussion on the theory of physical education, and practice in teaching elementary school activities. Required of women students in Group VI B. **3 s.h. (E)**

MISS WEEKS

105-106. Methods and Materials in Recreation.—A course intended to familiarize students with recreation activities and methods of organizing groups in these activities. Special emphasis is placed on recreation leadership training for war-time service. General fields covered are: Social Activities, Music Activities, Folk and Square Dancing, Games and Sports, Arts and Crafts, Drama Activities, Nature and Outing Activities. Open to Juniors and Seniors without prerequisite. Five periods per week throughout the year. **6 s.h. (E)**

Supervisor: ASSISTANT PROFESSOR GROUT. Teachers: ASSOCIATE PROFESSOR
ADDOMS, ASSISTANT PROFESSOR WEST, MRS. ATKINSON,
MR. BRUINSMA, MISS WEEKS, MRS. WILSON

108. Problems in Community Recreation.—A study of the historical development of organized recreation; recent trends and theories in recreation; qualifications and preparation for leadership; recreational interests of adolescents and adults; the administration of playgrounds and community centers, including the study of local and state recreation departments; materials and methods for directing recreational activities. Open to Juniors and Seniors without prerequisite. **3 s.h. (E)** Miss _____
[Not offered in 1943-44]

114. Kinesiology.—A study of the muscles, bones, and joints concerned in physical exercise. Analysis of fundamental movements with emphasis on the development of normal posture and efficient body movement. Required of students in physical education who plan to enter the field of physiotherapy. **3 s.h. (E)** Mrs. BOOKHOUT

118. Orthopedic and Remedial Physical Education.—The study of body mechanics, corrective exercise and massage. Purpose and technique of physical examination and evaluation of results. **3 s.h. (E)** Mrs. BOOKHOUT

119. Organization and Administration of Physical Education.—Curriculum building in physical education. A study of state and city programs. Tests and measurements in physical education. Co-ordination of health education and physical education. Administrative problems of the high school teacher and public school supervisor. Plans and equipment for gymnasia and playgrounds. **2 s.h. (E)** ASSISTANT PROFESSOR GROUT

181-182. Methods and Materials in Physical Education.—A course in the theory and practice of teaching and officiating in games and sports and of teaching rhythmic activities for girls and women. **6 s.h. (E)** Miss SMITH AND STAFF

185-186. Advanced Methods and Materials in Physical Education.—A continuation of 181-182. Open to Seniors preparing for full-time teaching in physical education. **6 s.h. (E)** Miss SMITH AND STAFF

HEALTH EDUCATION

41. Personal Health Problems.—A study of health problems from the point of view of the student in college and as a member of society. Prerequisite for students preparing to teach physical education. Either semester. **3 s.h. (E)** Miss PETERSON

112. School Health Problems.—An introduction to school health problems from the point of view of the classroom teacher. This course includes physical inspection of school children, communicable disease control, teacher health, school plant, safety, and healthful classroom procedures. Required of all students in Group VI B and of all students preparing to teach physical education in secondary schools. **3 s.h. (E)** Miss PETERSON

REQUIREMENTS FOR TEACHING HEALTH AND PHYSICAL EDUCATION IN PUBLIC SCHOOLS

The following requirements have been set up for students in Group VI A who wish to qualify as full-time or part-time teachers of Health and Physical Education. These requirements meet the standards of the North Carolina Department of Public Instruction for certification in Health and Physical Education and of most of the other states represented in the student body. Students preparing to teach in any state are advised to check with the department as to specific requirements.

Prerequisites: Zoology 1-2, Health Education 41.

Thirty semester hours, including Physical Education 101, 118, 119, 181-182, 185-186, Health Education 112, Zoology 53, 151.

Education Requirements: Consult Department of Education.

Students preparing to teach physical education and health on a part-time basis only are advised to take at least the following program:

Prerequisite: Health Education 41.

A minimum of fifteen semester hours including Physical Education 101, 119, 181-182, Health Education 112 and a physical education elective, three semester hours.

Education Requirements: Consult Department of Education.

HISTORY

PROFESSOR LAPRADE, CHAIRMAN; ASSOCIATE PROFESSOR NELSON, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HAMILTON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BALDWIN, CARROLL, CLYDE, LANNING, AND SYDNOR; ASSOCIATE PROFESSOR MANCHESTER; ASSISTANT PROFESSORS MCCLOY, QUINN, ROBERT, STILL, AND WOODY; DRs. BREWSTER, FERGUSON, PARKER, ROPP, AND WATSON; MR. VAN DUSEN; MISS CHAFFIN (PART-TIME)

The undergraduate courses in history are designed to afford (1) an introduction to the study of history by a survey of the history of the modern world; (2) a more intensive study of general American history; (3) opportunities for more advanced study of phases of American, English, European, Hispanic-American, and Eastern history which interest the teachers and students.

Course 1-2 or 51-52 is a prerequisite for all other courses; courses 91 and 92 are prerequisite for courses 114, 119-120, 121-122, 153-154, 209-210, 215-216, 263-264, 265-266. Sophomores who took only one semester of course 1-2 in the Freshman year may be admitted to courses 91 and 92, 61-62, 63-64, or 65-66, provided they made a grade of "B" or above on the semester taken. Courses offered for Seniors and Graduates are limited to twenty-five students; Juniors may not elect them without special permission from the Department and the Council on Graduate Instruction. Sophomores must obtain permission of the instructor in order to be admitted to courses numbered above 100; students who are not fully qualified Sophomores will not be admitted to these courses.

1-2. Historical Background of the World Today.—An introduction to the study of modern history with special reference to the issues in the present world crisis. The work in the first semester, covering the period 1500-1871, deals with such topics as the civilization of the Italian city states, the revolt from the Roman Church and its consequences, the commercial revolution and the early expansion of Europe into Asia and America, the balance of power and the rise of national states, the French Revolution and Napoleon, the industrial revolution, the Holy Alliance and the New World, the unification of Italy and the German Empire. In the second semester attention is given to such subjects as the Western infiltration of eastern Asia and the rise of Japan, the partition of Africa, Latin America, and the rise of the United States as a world power, national rivalries and alliances preceding the first World War, the consequences of the peace and the rise of the totalitarian states, the second World War. **6 s.h. (w & e)**

Sophomores and Juniors may not be admitted to this course. Courses 1 and 2 are each offered in both semesters. Either semester may be counted separately as an elective but not as fulfilling the minimum uniform requirements or as a basis of further work in history.

PROFESSOR CLYDE; ASSOCIATE PROFESSORS MANCHESTER AND NELSON; ASSISTANT PROFESSORS HAMILTON AND QUINN; DRs. BREWSTER AND ROPP; MR. VAN DUSEN AND MISS CHAFFIN

51-52. Historical Background of the World Today.—An introductory course for Sophomores, Juniors, and Seniors dealing with the topics indicated in the description of course 1-2. **6 s.h. (w & e)**

PROFESSOR BALDWIN AND ASSISTANT PROFESSOR McCLOY

[Not open to Freshmen or to students who have had course 1-2.]

61-62. Russia and the Near East from Peter the Great to Stalin.—The rise of Russia and its effect on international relations; the break-up of the Ottoman Empire and the formation of the Balkan states; the abolition of serfdom and the Industrial Revolution in Russia; the Russian Revolution; international, agrarian, and industrial policies of the Soviet Union; the Danube basin and the revival of German imperialism in the Near East; Arabian nationalism and the conflict of England and Italy in the Mediterranean area. Prerequisite: course 1-2 or 51-52. **6 s.h. (w)**

DR. ROPP

[Not offered in 1943-44]

63-64. Sea Power and Modern Navies.—The work in the first semester, covering the period from the Spanish Armada to the end of the nineteenth century, deals with such topics as the importance of sea power in the wars and rivalries of the sixteenth, seventeenth, eighteenth, and early nineteenth centuries, the rise of the blockade, the shifts from sails to steam and from wood to iron. Among the topics treated in somewhat greater detail in the second semester are the development of the navies of the United States, Great Britain, Germany, and Japan in the twentieth century as influenced by national policies and by the principal wars in which these nations participated, the rise of submarines and air power. **6 s.h. (w)**

DR. ROPP

Sophomores, Juniors, and Seniors regularly enrolled in the N.R.O.T.C. may elect this course without the necessity of first taking course 1-2 or 51-52.

65-66. The Social and Cultural History of Western Europe in the Seventeenth and Eighteenth Centuries.—**6 s.h. (w)** ASSISTANT PROFESSOR McCLOY

91. Political and Social History of the United States to 1850.—A general study of the development of the United States, prefaced by a brief review of the Colonial era, covering the period from the Revolution through the Compromise of 1850. **3 s.h. (w & e)**

ASSISTANT PROFESSOR ROBERT, DR. BREWSTER, AND MR. VAN DUSEN

92. Political and Social History of the United States since 1850.—A consideration of the sectional conflict and its aftermath; the rise of the United States as an industrial nation and a world power; the social, economic, and political implications of participation by the United States in the world wars of the twentieth century. **3 s.h. (w & e)**

ASSISTANT PROFESSOR ROBERT, DR. BREWSTER, AND MR. VAN DUSEN

Note: In courses 91 and 92 no texts are required, but each student pays a class fee of \$3.00 per semester with which all books to be read are purchased and placed in the libraries. This fee is collected through the Treasurer's Office.

101-102. Early European Civilization.—A study of the development in Western Europe of the institutions and culture of ancient times and the middle ages. **6 s.h. (e)**

ASSISTANT PROFESSOR QUINN

Sophomores who made an average grade of "B" or more on course 1-2 may be admitted to this course.

105-106. English Constitutional History.—A history of England with emphasis on constitutional aspects. This course is required of students in the Pre-Legal Group in the Junior or Senior year. **6 s.h. (w)**

ASSISTANT PROFESSOR HAMILTON

Students who have had course 123-124 may not receive credit for this course.

[Not offered in 1943-44]

107-108. Social and Cultural History of England.—A study of English history from the fourteenth century to the present time in an effort to arrive at a synthesis of social and political events and thus provide a background for the study of English literature. Emphasis is placed on the ages of Chaucer, Shakespeare, and Milton; the eighteenth and early nineteenth centuries; the reign of Victoria and the twentieth century. **6 s.h. (E)** DR. FERGUSON

Sophomores who made an average grade of "B" or above on course 1-2 may be admitted to this course.

[Not offered in 1943-44]

109-110. Political and Cultural Foundations of Modern Europe, 1400-1648.—Attention is given to the decline of feudal society and the age of faith; the rise of diplomacy and the states-system; humanism and the republic of letters; science and art in the times of Lorenzo de' Medici, Erasmus, Montaigne, Francis Bacon; religious conflict and the idea of tolerance. **6 s.h. (w)**

[Not offered in 1943-44]

ASSOCIATE PROFESSOR NELSON

114. History of the United States since Reconstruction.—Reconstruction and its aftermath; cultural, political, and economic development since 1876, agrarian and labor problems, the rise of large industry, the Spanish War and imperialism, the World War, and post-bellum problems. Prerequisites: courses 91 and 92. **3 s.h. (w)**

[Not offered in 1943-44]

PROFESSOR LANNING

119-120. Social and Cultural History of the United States.—A study of American life and manners with emphasis on trends of literary and artistic expression, on religious, educational, and reform movements, and on the social effects of a changing economy. Prerequisites: courses 91 and 92. **6 s.h. (w)**

ASSISTANT PROFESSOR ROBERT

121-122. The Church in American History.—Among the subjects considered are the relation of theology and church government to political theory and practice, the social and political results of the Great Awakening and of ecclesiastical controversies, the part played by the Church in the American Revolution and in the making of state constitutions, in education, westward expansion, in the reform movements of the nineteenth century, labor controversies, the Civil and World Wars, and internationalism. Prerequisites: courses 91 and 92. **6 s.h. (E)**

PROFESSOR BALDWIN

[Not offered in 1943-44]

123-124. English History.—A study in the first semester of the development in England of the institutions and habits of life characteristic of the nation and in the second of the extension of English influence throughout the world in the eighteenth, nineteenth, and twentieth centuries. **6 s.h. (w)**

PROFESSOR LAPRADE

Students who have had course 105-106 may not receive credit for this course.

125. The Ancient Regime, the French Revolution, and Napoleon.—A study of the intellectual defenses of the Ancient Regime, the crumbling of these defenses during the eighteenth century, the Revolution and recent interpretations of that event, the rise and decline and fall of Napoleon. Readings are assigned from the works of Locke, Voltaire, Montesquieu, and Rousseau; special attention is given to the fall of Napoleon. **3 s.h. (w)** DR. PARKER

[Not offered in 1943-44]

126. The Congress of Vienna and the Rise of the European Nations to 1870.—A study of European history from the Congress of Vienna through the Franco-Prussian War emphasizing the growth of nationalism and the struggle of liberalism against conservatism, including attention to the Industrial Revolution, socialism, and Darwinism. Readings are assigned from Mill, Mazzini, Marx, and Darwin; special attention is given to the diplomacy of Cavour and Bismarck. **3 s.h. (w)**

DR. PARKER

[Not offered in 1943-44]

127. **History of Latin America Through the Formation of the National Governments.**—3 s.h. (w) PROFESSOR LANNING

128. **Inter-American Affairs.**—This course treats the relations of the Latin-American states with each other and with the United States with the design of explaining the current significance of Latin America. Chief emphasis is placed upon social problems and movements common to all the republics and upon the role of the United States in Latin-American affairs, including such topics as American interventions; contributions of the United States to Latin-American life in such matters as public health; Pan-Americanism; Pan-Hispanism; foreign penetration and ideologies; the cultural and commercial aspects of the Good Neighbor Policy; Latin-American states in the World War and the present conflict. 3 s.h. (w) PROFESSOR LANNING

Ancient History.—Greek 131—Latin 131-132.—See Departments of Greek, Latin and Roman Studies. These courses do not count toward a major in history. (w)

135. **Main Currents in European History, 1815-1914.**—3 s.h. (w) ASSISTANT PROFESSOR HAMILTON

136. **Europe since 1914, Including the Rise of the Totalitarian States, Russia, Italy, and Germany; the Second World War.**—3 s.h. (w) ASSISTANT PROFESSOR HAMILTON

141-142. **The Far East from Commodore Perry to Chiang Kai-shek.**—Historical interpretations of the role of Eastern Asia in the present World War with attention to such topics as Western imperialism in China and Japan in the nineteenth century; the rise of Japan as a military and industrial power; the emergence of militant Chinese nationalism; the fusion of the Far Eastern and the European wars into a world conflict. 6 s.h. (w) PROFESSOR CLYDE

153-154. **The History of the South.**—A study, beginning in the Colonial period, of the development of the Southern part of the United States with particular attention to its distinctive characteristics and institutions and to their influence in shaping Southern attitudes toward major questions of national policy. 6 s.h. (w) PROFESSOR SYDNOR

FOR SENIORS AND GRADUATES

209-210. **American Constitutional History.**—A study of the Colonial foundations of American constitutional attitudes, the constitutional aspects of the American Revolution, the framing and ratification of the Constitution, the statehood process and the extension of democracy, the constitutional implications of sectional conflict, and the Supreme Court in its relation to the problems of an industrial America. Prerequisites: courses 91 and 92. 6 s.h. (w) [Not offered in 1943-44] ASSISTANT PROFESSOR STILL

211. **The Teaching of History and the Social Studies (Education 225).**—3 s.h. (w) ASSOCIATE PROFESSOR MANCHESTER

215-216. **The Foreign Policy and Diplomacy of the United States.**—The work in the first semester, covering the period 1775-1877, deals with such topics as the origin and development of basic foreign policies; isolation from Europe; paramount interests in Latin America, including the Monroe Doctrine; international co-operation in the Far East. The work in the second semester, covering the period since 1877, deals with topics such as the rise of the new "manifest destiny"; beginnings of American imperialism in Latin America and the Far East; the failure of traditional neutrality in the first World War; postwar conflicts between isolation and collective security; involvement in the second World War. 6 s.h. (w) PROFESSOR CLYDE

[Not offered in 1943-44]

217-218. Europe since 1870.—International relations since the Franco-German War is the chief subject of study in this course; special emphasis is placed upon the underlying economic and political influences. **6 s.h. (w)**
[Not offered in 1943-44] PROFESSOR CARROLL

219-220. The History of the European Proletariat.—This course is concerned chiefly with the origins, expansion, and organization of the industrial working classes of Europe. The following problems are emphasized: the decline of serfdom, the growth of an urban working class and social revolutions in England, France, and Germany prior to the eighteenth century, the results of the Industrial Revolution, and labor movements and theories during the nineteenth and twentieth centuries. **6 s.h. (w)**
[Not offered in 1943-44] PROFESSOR CARROLL

221-222. The Age of the Renaissance.—A survey of social and cultural changes in Western Europe from Dante to Erasmus. **6 s.h. (w)**
[Not offered in 1943-44] ASSOCIATE PROFESSOR NELSON

223-224. Medieval Institutions and Culture.—A consideration of the classical heritage, the Germanic infusion, development of ecclesiastical, feudal, monarchical, and communal institutions, relations of Church and State, the rise of universities, vernacular literatures, philosophy, and art in the period 300-1300 A.D. **6 s.h. (w)**
ASSISTANT PROFESSOR QUINN

225-226. The Age of the Reformation.—A survey of European civilization from 1500 through the Peace of Westphalia. **6 s.h. (w)**
[Not offered in 1943-44] ASSOCIATE PROFESSOR NELSON

230. The Portuguese Empire and the Rise of Brazil.—The course deals with Portuguese explorations, the establishment of the Portuguese Empire in the East, the transplanting of Portuguese culture overseas, and the rise of a native Brazilian civilization. **3 s.h. (w)** ASSOCIATE PROFESSOR MANCHESTER

231. The Hispanic Colonies of the New World.—The development of the Iberian states as colonizing powers, the work of the conquerors, the Spanish colonial policy and system, their influences and results, native races, the international contest for supremacy, and the decay of Spanish power in America and the Philippines. **3 s.h. (w)**
[Not offered in 1943-44] PROFESSOR LANNING

232. Hispanic Republics of the New World.—**3 s.h. (w)**
[Not offered in 1943-44] PROFESSOR LANNING

233. The Cultural and Institutional History of Colonial Hispanic America.—**3 s.h. (w)**
PROFESSOR LANNING

234. Political and Social Problems in the Hispanic American Republics.—**3 s.h. (w)**
PROFESSOR LANNING

241-242. The Foreign Relations and Diplomacy of the United States in the Pacific Area and the Far East.—A study of the origins and growth of American relations with China, Japan, the Philippines, and other Pacific areas in their commercial, political, and cultural aspects. **6 s.h. (w)**
PROFESSOR CLYDE

263-264. American Colonial History and the Revolution, 1606-1783.—The growth of institutions and economic life in the English colonies and the American Revolution. Prerequisites: courses 91 and 92. **6 s.h. (w)**
ASSISTANT PROFESSOR WOODY

265-266. The Westward Movement in the United States.—A study of the progress of settlement from the Atlantic to the Pacific Coast with especial attention to the transmission of culture, developments in transportation, the transition from agrarian to urban communities, the process of state-making, and the social, economic, and political effects of the westward march upon the United States as a whole. Prerequisites: courses 91 and 92. **6 s.h. (w)**

[Not offered in 1943-44]

ASSISTANT PROFESSOR STILL

DEPARTMENTAL MAJOR

Prerequisites: The Introductory Course in History (1-2 or 51-52).

Major Requirements: Students in the General Group desiring to take a major in history are required to elect twenty-four semester hours in the Department, including six semester hours in the Senior year from courses in the 200 group. Students desiring to take the more advanced courses in American history should elect courses 91 and 92 in the Sophomore or Junior year.

DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in history who have passed with a grade of "B" or better in their Freshman and Sophomore years courses 91 and 92 in addition to the introductory course in European history.

Candidates for Honors in history are required to take in the Junior year two courses in history offered in the 100 group and to make an average grade of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of fifteen semester hours of supervised reading in history, the candidate must elect with the approval of the Departmental Committee on Honors six semester hours of work from the courses in history offered in the 200 group, on which he is required to make a grade of "B" or better, and nine semester hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester hours shall be devoted to the classical historians such as Herodotus, Thucydides, Tacitus, Livy, Bede, the better-known chronicles, Machiavelli, Gibbon, Hume, Voltaire, Ranke, and others; the equivalent of nine semester hours shall be devoted to selected fields in either American or European history as the student may elect and the Departmental Committee advise.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

LATIN AND ROMAN STUDIES

PROFESSOR ROGERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES;

DR. ROSE, SUPERVISOR OF FRESHMAN INSTRUCTION;

ASSISTANT PROFESSOR GATES

Work is offered in several branches of Roman Studies: Latin Language and Literature, Roman Art and Archaeology, Roman History, Roman Law. Students who present two entrance units in Latin should take course 3-4; those who present three entrance units should take courses 57 and 65 and follow up with courses 4 and 58 or 66, or both, the second semester; those who enter with four units of Latin should pursue course 41-42. A course for beginners, Latin 1-2, is open to all college students.

1-2. Course for Beginners.—Forms, vocabulary, pronunciation and syntax are emphasized the first semester, and will be followed by the reading and translating of Caesar's *Gallie War* the second semester. An effort is made to promote rapid development of ability to read easy Latin with satisfaction. **6 s.h. (w or E)** DR. ROSE

3. Cicero's Oration.—Four orations including the *Manilian Law* and *Archias* are read, and attention is paid to prose style. Prerequisite: two entrance units of Latin. **3 s.h. (w)** ASSISTANT PROFESSOR GATES OR DR. ROSE

4. Vergil's Aeneid.—Selections from Books I-VI, to the amount of four books or more, will be read and translated, due attention being paid to prosody. Prerequisite: three entrance units and Latin 57 taken in the semester preceding admission to the course, unless Latin 3 was taken. **3 s.h. (w)** ASSISTANT PROFESSOR GATES OR DR. ROSE

41. Livy's History of Rome.—Selections from Books I, XXI, and XXII of Livy's *Ab Urbe Condita Libri*, together with selected parallel reading in English, will acquaint the student with a truly great artist. At the discretion of the instructor the following may be substituted for Livy: Cicero's *De Amicitia* and *De Senectute* or Selected Prose Writers, or *Comedies* of Plautus and Terence. **3 s.h. (w or E)** THE STAFF

42. Horace.—The Odes and Epodes. **3 s.h. (w or E)** THE STAFF

53. Sallust and Tacitus.—The *Jugurtha* of Sallust, the *Agricola* of Tacitus. Prerequisite: Latin 41-42 or an equivalent. **3 s.h. (w or E)** DR. ROSE

54. Catullus.—Most of the poems will be read, and Catullus' influence on certain ancient and modern poets will be discussed. **3 s.h. (w or E)** DR. ROSE

57. Sight Reading in Classical Latin.—One period of an hour per week devoted to practice in the reading of Latin of the classical period; designed to train students to read with facility. (See course 4.) No outside preparation is required. **1 s.h. (w or E)** DR. ROSE

58. Sight Reading in Medieval Latin.—One period an hour per week devoted to reading interesting medieval prose and poetry. Prerequisite: at least one of the following courses: Latin 3, 4, 41, 42, and 57, or an equivalent. No outside preparation is required. **1 s.h. (w or E)** DR. ROSE

65-66. Latin Prose Composition.—Recommended to students who are pursuing courses 3-4, 57, and 41-42, and may at the discretion of the instructor be required of such students. **2 s.h. (E)** DR. ROSE

101. Tacitus and Suetonius.—Interesting and historically important selections from the *Annals* or the *Histories* of Tacitus, with some parallel sections of Suetonius' *Lives of the Twelve Caesars* are read, with attention to the literary style and the value of the historical narrative. **3 s.h.** PROFESSOR ROGERS

102. Juvenal and Persius.—Juvenal's literary satire forms the basis of the course, and some selections from Persius are read for comparison. **3 s.h.** PROFESSOR ROGERS

103. The Roman Elegiac Poets.

104. Horace: Satires and Epistles.

105. Martial's Epigrams.

106. Letters of Pliny the Younger.

107. **Livy: Ab Urbe Condita.**

108. **Cicero's Letters.**

109. **Materials and Methods.**—A study of Latin in the secondary school curriculum for prospective teachers of Latin in high schools. Prerequisite: eighteen approved semester hours of college Latin, including courses 41-42, 53-54, or equivalent courses. Required of students who plan to teach Latin in state high schools. **3 s.h.**

111-112. **Roman Literature in English Translation.**

113-114. **Roman Civilization.**

115-116. **Art and Architecture of Ancient Rome.**

131-132. **History of Rome.**—A survey of the history of Rome from its beginnings through the Monarchy, Republic and Principate to the death of Justinian; Rome's expansion; development of the Roman constitution and public administration; a study of important features of social, legal, political, and economic problems of perennial life and interest. (This course carries no language credit. No knowledge of Latin is required for admission.) **6 s.h.**
(w) PROFESSOR ROGERS

203-204. **Roman Epic: Ennius, Vergil, Manilius, Lucan, Flaccus, Statius, Silius.**—A study of this literary genre, and its development by Roman writers; extensive reading of the Roman epics. Not offered if 205-206 is given. **6 s.h. (E)**
ASSISTANT PROFESSOR GATES

205-206. **Roman Drama.**—Select comedies of Plautus and Terence; select tragedies of Seneca. Rapid reading course. **6 s.h. (E)**

ASSISTANT PROFESSOR GATES

207-208. **Roman Philosophy.**

209-210. **Vulgar Latin: Introduction to Romance Philology.**

211-212. **Roman Oratory.**—A reading course in the history and development of Roman Oratory, based for the most part on Cicero's *Brutus* and the *Dialogus* of Tacitus. **6 s.h. (E or w)**
PROFESSOR ROGERS

215. **Roman Art and Archaeology.**

216. **Topography and Monuments of Ancient Rome.**

For other courses numbered in the 200 group, see the *Bulletin of the Graduate School*.

DEPARTMENTAL MAJOR

Prerequisites: Latin 41-42, 65-66, or acceptable equivalents.

Major Requirements: Latin 53-54, 101-102, six semester hours in courses numbered from 103 to 108, and six semester hours in courses numbered from 200 to 299 to be taken in the Senior year.

In addition, all majors are expected to pursue course 131-132, *History of Rome*.

Majors who contemplate graduate work are reminded of the necessity of Greek, German, and French for such study.

LAW COURSES FOR ACADEMIC STUDENTS

The first-year program of the Law School will include the following courses:

<i>Subject</i>	<i>Semester Hours</i>
Agency	2
Contracts	6
Criminal Law and Its Administration	3
Family Law	2
Introduction to Procedure	3
Legal Bibliography	1
Personal Property	2
Possessory Estates	2
Torts	5
	26

The foregoing courses will be distributed between two semesters. The adoption by the School of Law of a three-semester year during the war emergency has required the readjustment of the curriculum for the purpose of confining each course to a single semester. The arrangement of courses will permit beginning students to enter the Law School at the start of any semester. The first two semesters taken by such students will constitute their first-year program. For further information concerning the wartime program, inquiry should be made of the Dean of the School of Law.

MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN; PROFESSOR ELLIOTT, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HICKSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS RANKIN AND THOMAS; ASSOCIATE PROFESSORS CARLITZ AND ROBERTS; ASSISTANT PROFESSORS DRESSEL AND PATTERSON; DR. BOAS; MRS. BOAS (PART-TIME); MISS PIRKLE (PART-TIME); AND ASSISTANTS

Candidates for the Bachelor of Science degree and students in the Pre-Medical and Business Administration Groups must complete Mathematics 7 and 8 or Mathematics 7 and 50 or the equivalent. Mathematics 50 is recommended for students who plan to take Mathematics 51-52. Mathematics 8 is recommended for students who plan not to take Mathematics 51-52. Placement tests are administered to all entering students planning to take courses in mathematics. Students deficient in algebra of whom Mathematics 7 or the equivalent is required must complete Mathematics 1 and 2 to meet this requirement.

Credit is allowed for half of a double course.

1. Introduction to College Algebra.—Elementary topics, factoring, fractions, rectangular coordinates and graphs, exponents, radicals, linear equations in one and several unknowns, quadratic equations in one and two unknowns, ratio, proportion, and variation. **3 s.h.** (w): each semester. (E): first semester.
ASSISTANT PROFESSOR HICKSON AND STAFF

1A. College Algebra.—Binomial theorem, progressions, theory of equations, and determinants, in addition to the material of Mathematics 1. **4 s.h.** (w)
PROFESSOR GERGEN AND STAFF

2. Trigonometry.—Plane trigonometry, introduction to spherical trigonometry. Prerequisite: Mathematics 1 or the equivalent. **3 s.h.** (w): each semester. (E): second semester. ASSISTANT PROFESSOR HICKSON AND STAFF

2A. Trigonometry.—Plane and spherical trigonometry. Prerequisite: Mathematics 1A or the equivalent. 4 s.h. (w) PROFESSOR GERGEN AND STAFF

3-4. Mathematical Analysis for Students of Business.—First half: review topics in algebra, functions and graphs, exponents, radicals, quadratic functions, the binomial theorem, logarithms, progressions, interest and annuities, permutations, combinations, probability. Second half: trigonometric functions, solution of right triangles, curve and equation, linear equation, differentiation of algebraic functions, applications with emphasis on problems in business. 6 s.h. (w & E) ASSISTANT PROFESSOR HICKSON AND STAFF

[Not offered in 1943-44]

7. Algebra and Trigonometry.—Review topics in algebra, functions and graphs, exponents, radicals, quadratic functions, theory of equations, logarithms, plane trigonometry. 3 s.h. (w): each semester. (E): first semester. PROFESSOR ELLIOTT AND STAFF

8. Introduction to Analytic Geometry and Calculus.—Curve and equation, linear and second degree equations and their loci, differentiation of algebraic functions, applications, integration of polynomials, applications. The normal course for students who have completed Mathematics 2, 2A, or 7, and who wish only a brief introduction to analytic geometry and calculus. Students who prefer the more detailed study of these subjects offered in Mathematics 50 and 51-52 should take Mathematics 50 rather than this course. 3 s.h. (w): each semester. (E): second semester. PROFESSOR ELLIOTT AND STAFF

9-10. First-Year Engineering Mathematics.—College algebra, plane trigonometry, introduction to spherical trigonometry, plane analytic geometry, introduction to solid analytic geometry. Designed primarily for students in the Engineering Groups. 10 s.h. (E) ASSISTANT PROFESSOR PATTERSON AND STAFF

15. Spherical Geometry and Trigonometry.—Geometric properties of the sphere, theory and computation for spherical triangles, applications to navigation and astronomy. Each semester. Prerequisite: Mathematics 7 or the equivalent. 3 s.h. (w) ASSISTANT PROFESSOR DRESSEL AND STAFF

50. Analytic Geometry.—Rectangular and polar coordinates, loci, straight lines, conic sections, introduction to solid analytic geometry. Prerequisite: Mathematics 7 or the equivalent. 3 s.h. (w): each semester. (E): second semester. (w): ASSOCIATE PROFESSOR CARLITZ (first semester) AND PROFESSOR GERGEN (second semester); (E): PROFESSOR ELLIOTT (second semester)

51-52. Differential and Integral Calculus.—First half (Differential Calculus): differentiation of elementary functions, curve tracing, maxima and minima, differentials, curvature, motion, infinite series. Second half (Integral Calculus): indefinite integrals, definite integrals, partial differentiation, multiple integrals, applications. Prerequisite: Mathematics 50 or permission from the instructor. 6 s.h. (w): 51 each semester; 52 each semester. (E): 51 first semester; 52 second semester.

(w): PROFESSOR ELLIOTT (51 first semester, 52 second semester);
ASSOCIATE PROFESSOR CARLITZ (52 first semester, 51 second semester)
(E): PROFESSOR ELLIOTT

59-60. Second-Year Engineering Mathematics.—A correlated development of differential and integral calculus. Designed primarily for students in the Engineering Groups. Prerequisite: Mathematics 9-10 or the equivalent. 8 s.h. (E) ASSISTANT PROFESSOR PATTERSON AND STAFF

63. Graphical and Numerical Computation.—Computation by series, interpolation, approximation of lengths and areas, construction of charts and tables of use in ordnance and gunnery. Prerequisite: Mathematics 7 or the equivalent. **3 s.h. (w)**
 PROFESSOR THOMAS

64. Mathematics of Artillery Fire.—A mathematical discussion of orientation and gunnery for artillery. Methods for locating gun and target. The trajectory in vacuo and in air, range table corrections, and fire control. Prerequisite: Mathematics 7 or the equivalent. **3 s.h. (w)**
 PROFESSOR THOMAS

71. Mathematics of Investment.—Simple and compound interest, annuities certain, amortization, sinking funds, depreciation, evaluation of bonds, life insurance. Designed primarily for students in the Business Administration Group. Prerequisite: 6 semester hours of college mathematics. **3 s.h. (w)**
 [Not offered in 1943-44] ASSISTANT PROFESSOR HICKSON

74. Statistics.—Averages, measures of dispersion, skewness and correlation, probable error, curve fitting, graduation of data to type curves, index numbers, applications to problems in business and other fields. Prerequisite: 6 semester hours of college mathematics. *Offered in alternate years.* **3 s.h. (w)**
 ASSISTANT PROFESSOR HICKSON
 [Not offered in 1943-44]

76. Mathematical Theory of Economics.—A study from a mathematical point of view of cost and demand functions, monopoly, competition, cooperation, exchange, utility, and production; supplementary review and development of the essential mathematical ideas. Prerequisite: Mathematics 4 or the equivalent. **3 s.h. (w)**
 ASSISTANT PROFESSOR HICKSON
 [Not offered in 1943-44]

131. Elementary Differential Equations.—Solution of elementary types; formation and integration of equations arising in applications. Prerequisite: integral calculus. **3 s.h. (e)**
 ASSISTANT PROFESSOR HICKSON

139-140. Second Course in Calculus.—Multiple integrals, partial differentiation, Taylor's theorem, envelopes, line integrals, Green's theorem, improper integrals, complex numbers, applications. Prerequisite: integral calculus. **6 s.h. (w)**
 PROFESSOR GERGEN

158. Finite Differences.—Interpolation formulas, symbolic methods, polynomials of Bernoulli and Euler, numerical differentiation and integration, difference equations. Must be preceded or accompanied by integral calculus. **3 s.h. (w)**
 ASSOCIATE PROFESSOR CARLITZ
 [Not offered in 1943-44]

160. Elementary Solid Analytic Geometry.—Determinants, planes, straight lines, quadric surfaces. Prerequisite: integral calculus. **3 s.h. (w)**
 [Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ

161-162. Reading Course for Juniors.—Open only to Juniors reading for Honors in Mathematics. Material, credit, and hours arranged in consultation with tutor. See Departmental Honors Program.

163-164. Reading Course for Seniors.—Open only to Seniors reading for Honors in Mathematics. Material, credit, and hours arranged in consultation with tutor. See Departmental Honors Program.

FOR SENIORS AND GRADUATES

201. History of Mathematics.—Evolution of the number system, arithmetic, geometry, algebra, trigonometry, analytic geometry, calculus, and modern geometry. Brief sketches of mathematicians. *Offered in alternate years.* Prerequisite: differential calculus. **3 s.h. (E)** PROFESSOR RANKIN

204. Teaching of Mathematics.—Fundamental processes, methods of study, mathematical literature, content of courses, applications, use of instruments, correlation of different branches, historical development of secondary school mathematics. *Offered in alternate years.* Must be preceded or accompanied by integral calculus. **3 s.h. (E)** PROFESSOR RANKIN

225. Theory of Equations.—Permutations, determinants, matrices, linear systems, polynomials and their roots, constructibility, resultants, discriminants, simultaneous equations. *Second semester.* Prerequisite: integral calculus. **3 s.h. (w)** PROFESSOR THOMAS

227-228. Theory of Numbers.—Congruences, arithmetic functions, compound moduli, quadratic reciprocity, Gauss sums, quadratic forms, sums of squares. Prerequisite: integral calculus. **6 s.h. (w)**

ASSOCIATE PROFESSOR CARLITZ

229-230. Algebraic Numbers.—Ideals, unique factorization, divisors of the discriminant, determination of the class number. Prerequisite: Mathematics 225. **6 s.h. (w)** ASSOCIATE PROFESSOR CARLITZ

[Not offered in 1943-44]

235-236. Modern Algebra.—Groups, fields, rings, matrices, quadratic and bilinear forms, general Galois theory, hypercomplex systems. Prerequisite: integral calculus. **6 s.h. (w)** ASSOCIATE PROFESSOR CARLITZ

[Not offered in 1943-44]

255-256. Projective Geometry.—Postulational, synthetic treatment centering around Desargues' theorem and the principle of projectivity. Conics, coordinates, order, continuity, metric properties. Prerequisite: integral calculus. **6 s.h. (w)** PROFESSOR THOMAS

271-272. Introductory Topology.—Topological properties of Euclidean spaces; set-theoretic and combinatorial methods. Prerequisite: integral calculus. **6 s.h. (w)** ASSOCIATE PROFESSOR ROBERTS

[Not offered in 1943-44]

275. Probability.—Combinatory analysis, mean values, Bernoulli's theorem, probability integral, applications to statistics. Prerequisite: integral calculus. **3 s.h. (w)** DR. BOAS

[Not offered in 1943-44]

281. Elementary Potential Theory.—Newtonian potentials, vector fields, Dirichlet and Neumann problems. *Offered in alternate years.* Prerequisite: integral calculus. **3 s.h. (w)** ASSOCIATE PROFESSOR CARLITZ

[Not offered in 1943-44]

282. Differential Equations of Mathematical Physics.—Hamilton-Jacobi equation, heat equation, wave equation, telegraphic equation, Schrödinger's equation. *Offered in alternate years.* Prerequisite: integral calculus. **3 s.h. (w)** ASSOCIATE PROFESSOR CARLITZ

[Not offered in 1943-44]

283. Fourier Series and Spherical Harmonics.—Fourier series and integrals, Legendre polynomials, spherical harmonics, Bessel functions, applications to mathematical physics. *Second semester. Offered in alternate years.* Prerequisite: integral calculus. **3 s.h. (w)** ASSISTANT PROFESSOR DRESSLE

284. Vector Analysis.—Vectors in three-dimensional Euclidean space with applications to physics; introduction to tensor analysis. *First semester. Offered in alternate years.* Prerequisite: integral calculus. **3 s.h. (w)**

PROFESSOR THOMAS

287. Mathematical Logic.—Boole-Schroeder algebra of logic, system of Principia Mathematica, strict and material implication. **3 s.h. (w)**

[Not offered in 1943-44]

ASSOCIATE PROFESSOR CARLITZ

288. Foundations of Mathematics.—Postulates for groups, fields, rings, Boolean algebras. **3 s.h. (w)**

[Not offered in 1943-44]

ASSOCIATE PROFESSOR CARLITZ

291-292. Theory of Functions.—Fundamental concepts in the theory of functions of real and complex variables. Limits, implicit functions, power series, double series, Stieltjes integrals, Cauchy's theorem and its applications, residues, Riemann surfaces, conformal mapping. Prerequisite: second course in calculus. **6 s.h. (w)**

[Not offered in 1943-44]

PROFESSOR GERGEN

DEPARTMENTAL MAJOR

Prerequisite: Six semester hours of Freshman mathematics.

Major Requirements: Mathematics 51-52 or 59-60 and twelve semester hours in courses numbered above 100. These twelve hours must be approved by the Department through the Director of the Undergraduate Studies.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: A student who meets the general requirement as to candidacy of the Honors Group, who has completed Mathematics 51 or 59, and who has earned an average grade of "B" or better in his courses in mathematics, may become a candidate for Honors.

Honors Work:

(a) *Work in Mathematical Courses:* To graduate with Honors a candidate must complete, during his Honors program, a minimum of eighteen semester hours of course work in regular open courses numbered above 100. These courses must be completed with an average grade of "B" or better.

(b) *Tutorial Work:* During his Honors program a candidate reads on special topics in mathematics under the personal supervision of a tutor. A candidate must earn a minimum of six semester hours of credit in his tutorial work. He cannot earn more than nine semester hours in his tutorial work, nor more than thirty-six semester hours for his course work in mathematics and his tutorial work combined.

(c) *Work in Courses in Related Fields:* A candidate must earn a sufficient number of semester hours of credit in courses in related fields to complete with the credit obtained in (a) and (b) the sixty semester hours required in the Honors Group.

A candidate's program must be approved by the Departmental Honors Advisor.

General Honors Examination: At the end of his Senior year each candidate reading for Honors in Mathematics must pass a comprehensive examination on his Honors program. This examination may be written, oral, or both. Faculty members from other departments and other institutions may be invited to participate in this examination.

NAVAL SCIENCE AND TACTICS

PROFESSOR CLAY, CAPTAIN, U. S. NAVY, RETIRED; ASSOCIATE PROFESSOR PIERSON, LIEUTENANT COMMANDER, U. S. N. R.; ASSISTANT PROFESSOR SEAGROVE, LIEUTENANT COMMANDER, U. S. NAVY; ASSISTANT PROFESSOR STUBBS, LIEUTENANT, U. S. NAVY, RETIRED

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|--|-------|
| 1. Seamanship.—3 s.h. (w) | STAFF |
| 2. Naval History and Administration.—3 s.h. (w) | STAFF |
| 51-52. Navigation and Nautical Astronomy.—6 s.h. (w) | STAFF |
| 101. Ordnance and Engineering.—3 s.h. (w) | STAFF |
| 102. Gunnery and Electricity.—3 s.h. (w) | STAFF |
| 151. Communications and Military Law.—3 s.h. (w) | STAFF |
| 152. Aviation and International Law.—3 s.h. (w) | STAFF |

PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN; ASSOCIATE PROFESSOR MORGAN, DIRECTOR OF UNDERGRADUATE STUDIES; DR. MCLARTY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS GILBERT AND SMITH; ACTING PROFESSOR DUBS; AND ASSOCIATE PROFESSOR LEONARD

For courses marked * there is a prerequisite of three hours of philosophy: admission otherwise by permission of the instructor. Sophomores may in general take courses prescribed for Juniors by permission of the instructor.

48. **Introduction to Logic and Scientific Method.**—The general principles of logical thinking: the nature of the logical processes involved in the attainment of knowledge in mathematics, the sciences, history, and philosophy. The character of systematic exposition. 3 s.h. (w) ASSOCIATE PROFESSOR LEONARD

95. **Introduction to Ethics.**—An elementary consideration of some of the important moral problems in the light of philosophical tradition and the science of values. Sophomores and approved Freshmen. First semester (w) Second semester (E). 3 s.h. PROFESSOR GILBERT AND ASSOCIATE PROFESSOR MORGAN

96. **The Development of American Philosophy.**—3 s.h. (w)
ASSOCIATE PROFESSOR MORGAN

101. **Introduction to Philosophy.**—This course is intended to acquaint the student with the nature of philosophical problems. First semester (w) and (E). Second semester (w). 3 s.h. (w) PROFESSOR WIDGERY (*first semester*)
DR. MCLARTY (*second semester*)
(E) PROFESSOR GILBERT

103. **Logic.**—Fundamental principles of valid reasoning. 3 s.h. (w)
[In alternate years—offered in 1943-44] ASSOCIATE PROFESSOR LEONARD

104. **Scientific Methodology.**—A survey of the methods used in various natural and social sciences. 3 s.h. (w) ASSOCIATE PROFESSOR LEONARD
[In alternate years—offered in 1943-44]

105. **Introduction to the History of Philosophy: Ancient and Medieval.**—A study of the great philosophical thinkers with special reference to the problems of a philosophy of human life. 3 s.h. (w) DR. MCLARTY

106. **Introduction to the History of Philosophy: Modern.**—A study of the great philosophical thinkers with special reference to the problems of a philosophy of human life. 3 s.h. (w) PROFESSOR WIDGERY AND DR. McLARTY

108. **Philosophical Ideas in Ancient Greek and Roman Culture.**—3 s.h. (w)
DR. McLARTY

114. **Seventeenth-Century Philosophy, with Special Reference to Spinoza.***
—3 s.h. (E) PROFESSOR GILBERT

119. **Fundamentals of Christian Morality: An Introduction to Christian Ethics.**—3 s.h. (w) DR. McLARTY

121. **The Philosophy of Plato.**—Lectures, readings and reports. Reference will be made to some influences of Platonic modes of thought in English literature. 3 s.h. (w) DR. McLARTY

FOR SENIORS AND GRADUATES

201-202. **The Philosophy of Art.**—Study of the various phases of the aesthetic experience and forms of beauty with analysis of examples. Particular attention will be given to recent writers on aesthetics. 6 s.h. (E)

[In alternate years—not offered in 1943-44] PROFESSOR GILBERT

203. **The Philosophy of Conduct.**—A critical study of the fundamental problems of ethics. 3 s.h. (w)* ASSOCIATE PROFESSOR MORGAN

205. **The Philosophy of History.**—An inquiry into the logic and methodology of the knowledge of history, and into the metaphysical implications of history. 3 s.h. (w) PROFESSOR WIDGERY

[In alternate years—not offered in 1943-44]

208. **Political Philosophy.**—A critical investigation of the bases of political authority and of the ideals of political organization, with reference to prevalent political systems. 3 s.h. (w) ASSOCIATE PROFESSOR MORGAN

[In alternate years—not offered in 1943-44]

209-210. **The Philosophy of Religion.**—A critical consideration of the data of empirical religion and the constructive development of a modern philosophy of religion. 6 s.h. (w) PROFESSOR WIDGERY

[In alternate years—offered in 1943-44]

211. **Philosophy of Civilization.**—The meaning and standards of civilization; its growth, decay, and survival. 3 s.h. (w)

ASSOCIATE PROFESSOR MORGAN

213-214. **History of Aesthetics.**—The tracing of the historical solutions of traditional problems, such as the nature of imitation, symbolism, the ugly, the sublime, and the comic, the relation of art to nature, to morals, and to economics, the relation of the particular arts to each other, the standard of taste. 6 s.h. (E) PROFESSOR GILBERT

[In alternate years—offered in 1943-44]

215. **Christian Ethics I.**—A historical and systematic study of Christian conceptions of the moral life and its problems. First semester. (w) 3 s.h. PROFESSOR SMITH

216. **Christian Ethics II.**—A critical consideration of selected modern social problems from the viewpoint of Christian ethics. (w) 3 s.h. PROFESSOR SMITH

217. **The Philosophy of Aristotle.***—Prerequisite: course 105.

DR. McLARTY

224. **Contemporary Philosophy.**—A study of the leading philosophical movements in Europe and America in the last fifty years. **3 s.h. (w)**
[Not offered in 1943-44] PROFESSOR WIDGERY

226. **The History of Ethics.**—Theories of morality from Socrates to the present time. **3 s.h. (w)***
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR MORGAN

231-232. **Philosophy of Science.**—A historical and critical survey of the relations of natural science to general philosophy. **6 s.h. (w)**
ASSOCIATE PROFESSOR LEONARD

236. **Oriental Philosophy I.**—Chinese Philosophy. **3 s.h. (w)**
[In alternate years—offered in 1943-44] ACTING PROFESSOR DUBS

238. **Oriental Philosophy II.**—Indian Philosophy. **3 s.h. (w)**
[In alternate years—not offered in 1943-44] PROFESSOR WIDGERY

241. **Logic.**—The characteristic structure of a logical system. Forms of propositions and of arguments. Logical relations of propositions. Levels of analysis. **3 s.h. (w)**
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR LEONARD

242. **Scientific Methodology.**—A survey of the methods used in the different branches of the natural and social sciences in seeking and testing knowledge. **3 s.h. (w)**
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR LEONARD

244. **Nietzsche and the Nineteenth Century.**—Studies in the major trends of intellectual life of the period, focused around the work of Nietzsche. **3 s.h. (w)**
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR MORGAN

245-246. **Philosophical Foundations of Religious Belief.**—**6 s.h. (w)**
[In alternate years—not offered in 1943-44] ACTING PROFESSOR DUBS

248. **Philosophy of Values.**—First semester. **3 s.h. (w)**
[In alternate years—offered in 1943-44] ACTING PROFESSOR DUBS

RELATED COURSES IN OTHER DEPARTMENTS

Education 200. Introduction to the Philosophy of Education.

Greek 107-108. **Plato.**—Euripides.

Greek 209-210. **Plato.**

History 221-222. **The Age of the Renaissance.**

Mathematics 287. **Mathematical Logic.**

Mathematics 288. **Foundations of Mathematics.**

Physics 213-214. **Contemporary Physics.**

Political Science 223. **Political Thought to the Seventeenth Century.**

Political Science 224. **Modern Political Theory.**

Psychology 228. **Psychology of Belief.**

DEPARTMENTAL MAJOR

The student is required to take courses amounting to at least eighteen credit hours in the Department. Of these, six must be Philosophy 105-106, Introduction to the History of Philosophy; and six must be from courses in the 200 series. The student is advised to consult with an instructor in the Department as to the courses most suitable to fit in his general plan of study.

PHYSICS

PROFESSOR NIELSEN, CHAIRMAN; PROFESSOR HATLEY, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR CARPENTER, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS EDWARDS, NORDHEIM, SPONER; ASSOCIATE PROFESSORS CONSTANT AND MOUZON; ASSISTANT PROFESSOR BONNER; DR. HEBB; MR. SCARBOROUGH; AND ASSISTANTS

The courses in physics are designed to meet the needs of three classes of students: (1) those desiring to specialize in physics with a view to work in teaching or investigation; (2) those intending to pursue the study of medicine, biology, or chemistry; (3) those looking forward to the study of engineering. The work of the first year is designed to lay a broad foundation for subsequent study.

An elementary knowledge of the calculus and credit for 12 semester hours in physics are required in all courses numbered 200 and above.

1-2. Introductory Physics.—This course traces historically and experimentally the development of great principles. It stresses neither mathematical processes nor exact measurements. This course is open to Freshmen, Sophomores, and Juniors and meets the general science requirement. Three-hour recitation and one two-hour laboratory per week. **8 s.h. (w & e)**

ASSISTANT PROFESSOR CARPENTER; PROFESSOR EDWARDS AND HATLEY; AND ASSISTANTS

17-18. Engineering Physics.—A course covering the field of general physics with emphasis on fundamental principles. Open only to engineering students. **6 s.h. (e)**

ASSOCIATE PROFESSOR MOUZON; ASSISTANT PROFESSOR BONNER AND MR. SCARBOROUGH

51-52. General Physics.—This course is designed for Sophomores and Juniors. It meets in a thorough way the requirements for entrance into the study of medicine and is well suited for the general science student. A limited number of Freshmen who present physics for entrance and who are taking the required mathematics concurrently may be admitted by permission of the instructor. Three lectures and one three-hour laboratory period each week. Prerequisite: Mathematics 7-8 or equivalent. **8 s.h. (w)**

PROFESSOR HATLEY; ASSISTANT PROFESSORS CARPENTER AND BONNER

57-58. Engineering Physics.—This course is a continuation of Physics 17-18 open to engineering students upon satisfactory completion of 17-18. Two lectures (e) and one three-hour laboratory (w) each week. **6 s.h.**

ASSOCIATE PROFESSOR MOUZON AND ASSISTANT PROFESSOR BONNER

59-60. Elementary Atomic Physics.—A lecture and demonstration course dealing in a descriptive manner with modern developments in physics. During the second semester particular emphasis will be placed on the specific applications of the results and methods of modern physics to the fields of medicine and industry. Prerequisite: a year course of college physics and the calculus completed or taken concurrently. **6 s.h. (w)**

PROFESSOR NIELSEN

61. Mechanics.—This course covers in a thorough manner the elements of general mechanics. Special emphasis is placed on the solution of problems. Two lectures and one two-hour laboratory or problem period per week. Prerequisite: a year course of college physics and the calculus completed or taken concurrently. **3 s.h. (w)**

PROFESSOR NORDHEIM

62. Heat.—A study of thermometry, specific heats, thermal expansion, transfer of heat, change in state, saturated vapor, hygrometry, the laws of thermodynamics and pyrometry. Two lectures and one two-hour laboratory per week. Prerequisite: a year course in college physics and the calculus completed or taken concurrently. **3 s.h. (w)** ASSISTANT PROFESSOR CARPENTER

65-66. Intermediate Physics.—Lecture demonstrations and recitations. A course, to follow Physics 1-2 or its equivalent, covering selected topics and including a more advanced treatment of electricity and light during the first term and in the second term an extended treatment of conduction of electricity through gases, electron theory of matter, x-rays, radioactivity, thermionics, electric waves, and photo-electricity. Prerequisite: Physics 1-2 or its equivalent. **6 s.h. (w)** PROFESSOR EDWARDS

70. Elementary Electronics.—This course is designed to acquaint the student with the principles of vacuum tubes and their application to elementary circuits. Three lectures and one three-hour laboratory per week. Prerequisite: a year in college physics. **4 s.h. (w)** MR. SCARBOROUGH

103. Electricity and Magnetism.—An intermediate course covering electrostatics, magnetostatics, current theory, electromagnetism, and electron theory. Prerequisite: a year course in college physics and the calculus. Three lectures and one three-hour laboratory period per week. **4 s.h. (w)**

ASSOCIATE PROFESSOR CONSTANT

104. Electrical Measurements.—Exact measurements of resistance, current, voltage, inductance, capacity, etc. A fundamental course in electrical engineering is a prerequisite. Two lectures and one three-hour laboratory period per week. **3 s.h. (w)**

PROFESSOR NIELSEN AND ASSOCIATE PROFESSOR CONSTANT

106. Photography.—A quantitative study of the more important photographic processes and the application of photography to the sciences and arts. Two lectures and one three-hour laboratory period. Prerequisite: a year course in college physics. **3 s.h. (w)** ASSISTANT PROFESSOR BONNER

108. Physical Optics.—An intermediate course dealing with reflection, refraction, interference diffraction, polarization and dispersion. Prerequisite: a year course in college physics and the calculus. Three lectures and one three-hour laboratory period per week. **4 s.h. (w)** PROFESSOR SPONER

211. History of Physics.—A rapid review of the fundamental laws of physics developed from the historical point of view. **2 s.h. (w)**

PROFESSOR EDWARDS

213-214. Contemporary Physics.—A course which covers in a descriptive manner the fundamental concepts and experimental basis of modern theories of the structure of matter. **6 s.h. (w)** ASSOCIATE PROFESSOR CONSTANT

215-216. Atomic Physics Laboratory.—Some of the more important experiments which form the basis of modern atomic theory. Special emphasis is placed on experimental technique, valuable in original physical investigations. **2-4 s.h. (w)** PROFESSOR NIELSEN AND ASSOCIATE PROFESSOR MOUZON

[Not offered in 1943-44]

217-218. Advanced General Physics Laboratory.—Exact measurements involving the fields of mechanics, electrical measurements, heat, and pyrometry. **2 s.h. (w)** PROFESSOR NIELSEN AND ASSOCIATE PROFESSOR MOUZON

[Not offered in 1943-44]

219. Electron Tubes and Their Application.—Theory and application of electron tube circuits with special emphasis on their use in scientific research. Three hours of lecture and one three-hour laboratory per week. **4 s.h. (w)**

ASSOCIATE PROFESSOR MOUZON

221-222. Introduction to Theoretical Physics.—Lectures and problems on the fundamental principles and mathematical theory of the general field of physics, constituting a thorough foundation for subsequent specialization and more intensive study. **8 s.h. (w)**
ASSOCIATE PROFESSOR CONSTANT

225-226. Elementary Investigations.—The aim of this course is to provide training in the laboratory and library methods of physical research. Properly qualified students may conduct elementary investigations under the supervision of a member of the Staff. **3-6 s.h. (w)**
THE STAFF

DEPARTMENTAL MAJOR

A. For the degree of A.B.:

Prerequisites: Physics 1-2 or equivalent, and Mathematics 1-2 or 7-8.

Major Requirements: 18 to 24 hours in courses approved by the Department. (Students who have a considerable number of hours in a closely allied field may, with the approval of the Department, count Physics 51-52 or Physics 57-58 as a major requirement.)

B. For the degree of B.S.:

Prerequisites: Physics 1-2, Chemistry 1-2 and Mathematics 7-8 or equivalent.

Major Requirements: Not less than 24 hours in courses approved by the Department, not less than 6 hours of which must be in the 200 group.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: Physics 1-2, 51-52, or 57-58 and 6 s.h. additional work in physics above the Freshman level; Mathematics 6 s.h. and Chemistry 1-2.

Honors Program: Physics 103, 108, 219, and 221-222; Mathematics 51-52 and 131; electives subject to the approval of the Departmental Honors Committee, 25 s.h. or enough to satisfy the requirements for graduation, of which at least 6 s.h. must be either a course in Geology or an advanced course in Chemistry, Botany, Zoology, or Mathematics.

In addition, the student will arrange with his Adviser for the performance of a limited number of elementary physical investigations. This will consist of both readings and experimental work and in general will constitute a survey of the classical and modern aspects of physics for which 10 s.h. credit will be allowed.

At the end of both Junior and Senior years, the student will be given both an oral and a written examination in the field of physics.

POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN; PROFESSOR RANKIN, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR VON BECKERATH; ASSOCIATE PROFESSORS COLE AND SHIPMAN; ASSISTANT PROFESSORS GIBSON, HALLOWELL, LINEBARGER, SIMPSON, AND WALTER; DR. HOWARD; MESSRS. DIAMOND AND HOSACK

21. Principles of Government.—An introductory study of principles relating to the nature and organization of political power, and a consideration of the status of individuals under different types of government. **3 s.h. (E & w)**
ASSISTANT PROFESSOR SIMPSON AND DR. HOWARD

22. International Politics.—A study of international governmental problems, with attention to past experiments in international co-operation through political, judicial, and administrative agencies, power politics and the present war, and the current effort of the United Nations looking to world government and administration. **3 s.h. (E & w)**

ASSISTANT PROFESSOR SIMPSON AND DR. HOWARD

61-62. American Government and Politics.—A study of the American governmental system, including the fundamentals of American democracy and the function of national, state, and local governments, with special attention to governmental problems in wartime and the present world position of the United States. **6 s.h. (E & W)**

PROFESSOR RANKIN; ASSISTANT PROFESSORS HALLOWELL, SIMPSON AND WALTER; DR. HOWARD; MR. DIAMOND

Course 61-62 is ordinarily taken before any advanced course in political science. A student who has not had course 61-62 or equivalent work may take an advanced course in the Department with the approval of the instructor giving the advanced course.

Course 61 and course 62 will each be offered during the fall and during the spring semester.

111. Contemporary Problems in Far Eastern Politics.—An introductory survey of international politics in Eastern Asia and the Western Pacific. **3 s.h. (W)**

ASSISTANT PROFESSOR LINEBARGER AND MR. HOSACK
[Not offered in 1943-44]

113. Colonialism and Nationalism in Southeastern Asia.—A study of indirect rule, native institutions, self-determination, and conquest in the Asiatic regions indicated. **3 s.h. (W)**

ASSISTANT PROFESSOR LINEBARGER AND MR. HOSACK
[Not offered in 1943-44]

125. American Political Parties and Practical Politics.—A study of the historical development, organization, and methods of political parties in the United States. **3 s.h. (W)**

ASSISTANT PROFESSOR SIMPSON

136. Major European Governments.—A study of the organization and functioning of the governments of Great Britain, Germany, Italy, and Russia. **3 s.h. (W)**

ASSISTANT PROFESSOR HALLOWELL

141. Public Regulation.—An introduction to the administrative process, emphasizing the nature, types, and techniques of public activity; and the methods and problems of protecting the public interest. **3 s.h. (W)**

ASSISTANT PROFESSOR WALTER

142. Government Regulation in Wartime.—National administration under war conditions and its relation to permanent government departments; problems of raw materials, industrial productions and plant conversion, labor transportation, price control, and civilian mobilization. **3 s.h. (W)**

ASSISTANT PROFESSOR WALTER

151-152. Spanish-American Political Institutions.—A study of Spanish-American governments as illustrated in Argentina, Chile, Colombia, and Uruguay. The first semester is devoted to the colonial and independence periods, the second to the national. **6 s.h. (W)**

ASSISTANT PROFESSOR GIBSON
[Not offered in 1943-44]

172. Government and Agriculture.—An analysis, in the light of current problems, of the policy and administration of governmental aid to agriculture in the United States, and a comparison of these policies with those of selected European countries. **3 s.h. (W)**

PROFESSOR VON BECKERATH AND DR. HOWARD
[Not offered in 1943-44]

174. Politics and Economics.—An analysis of the influence of politically dominant forces and ideologies upon economic policies in societies of principal Western countries since the seventeenth century. **3 s.h. (W)**

PROFESSOR VON BECKERATH

207. American Constitutional Law and Theory.—A study of leading principles of American government, as developed through judicial interpretation of the Constitution. **3 s.h. (W)**

PROFESSOR WILSON

209. State and Local Government in the United States.—A study of the historical development of state and local governments, their present organization, their relation to each other and to the federal government. 3 s.h. (w)

PROFESSOR RANKIN

211. Political Institutions of the Far East.—A study of the governmental systems of Japan, Korea, and China from the Chou Dynasty to the present. 3 s.h. (w)

ASSISTANT PROFESSOR LINEBARGER

[Not offered in 1943-44]

212. International Politics of the Far East.—A study of changing power relationships in the Orient since the arrival of the Europeans. 3 s.h. (w)

[Not offered in 1943-44]

ASSISTANT PROFESSOR LINEBARGER

223. Political Thought to the Seventeenth Century.—A survey of political thought from the time of Plato to the close of the sixteenth century. 3 s.h. (w)

PROFESSOR WILSON

224. Modern Political Theory.—Political theories of the seventeenth and eighteenth centuries, and of the first half of the nineteenth, with a study of their influence upon modern political institutions. 3 s.h. (w)

PROFESSOR WILSON

225-226. Comparative Government.—A comparative study of modern political institutions, with special reference to bureaucracy, federalism, fascism, dictatorship, constitutions, representation, parliamentarism, and separation of powers. 6 s.h. (w)

ASSISTANT PROFESSOR HALLOWELL

227-228. International Law.—Elements of international law, particularly as interpreted and applied by the United States. 6 s.h. (w)

PROFESSOR WILSON

229. Recent and Contemporary Political Theory.—A study of the more significant contributions to political theory from 1850 to the present. 3 s.h. (w)

ASSISTANT PROFESSOR HALLOWELL

230. American Political Institutions.—A study of the formation and development of institutions of the national government in the United States, with historical and analytical treatment. 3 s.h. (w)

PROFESSOR RANKIN

241-242. The Administrative Process.—The function and theory of organization, delegated legislation, administrative adjudication, the control of administration, and special problems in economic balancing and proprietary activities. 6 s.h. (w)

ASSISTANT PROFESSOR WALTER

244. Administrative Law.—The law of the administrative process including the nature of regulatory authority, the status and liability of public officers, administrative tribunals and judicial review of administrative action. 3 s.h. (w)

ASSISTANT PROFESSOR WALTER

246. Legislation.—A study of the legislative process with attention to procedure, methods, techniques, delegation of discretion, and the use of controls. 3 s.h. (w)

ASSISTANT PROFESSOR WALTER

[Not offered in 1943-44]

252. Spanish-American Constitutionalism.—A comparative study of the nature, sources and use of political authority in the constitutional law of Argentina, Chile, Colombia, and Uruguay. 3 s.h. (w)

[Not offered in 1943-44]

ASSISTANT PROFESSOR GIBSON

271. Sociopolitics and Capitalism.—Labor and labor policies in Western Europe and the United States in the nineteenth and twentieth centuries. 3 s.h. (w)

PROFESSOR VON BECKERATH

291. Municipal Government.—A study of problems relating to the structural system and activities of municipalities in the United States. 3 s.h. (w)
PROFESSOR RANKIN

292. Municipal Administration.—A study of principles and methods of municipal administration in the United States. 3 s.h. (w) PROFESSOR RANKIN

PSYCHOLOGY

PROFESSOR LUNDHOLM, CHAIRMAN; ASSISTANT PROFESSOR KEMP, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR RHINE; ASSOCIATE PROFESSORS ADAMS AND ZENER; DR. KOCH

91. Introduction to Psychology.—A comprehensive survey of contemporary psychology. This course, given both in the fall (w & e) and spring (w & e) is a prerequisite to all other courses in the Department. 3 s.h.

DR. KOCH; PROFESSOR LUNDHOLM; ASSOCIATE PROFESSORS ADAMS AND ZENER

96. Applied Psychology.—A survey of the application of psychological principles and methods to problems in the fields of pedagogy, clinical psychology, business, industry, government and law. 3 s.h. (w)

ASSOCIATE PROFESSOR ZENER

103. Conation and Our Conscious Life.—Analysis of adult human experience and its role in adaptive and creative endeavor. 3 s.h. (w)

PROFESSOR LUNDHOLM

104. Comparative Psychology.—3 s.h.
[Not offered in 1943-44]

ASSOCIATE PROFESSOR ADAMS

106. Abnormal Psychology.—[Limited enrollment; preference pre-medical Juniors.] 3 s.h. (w)

PROFESSOR LUNDHOLM

110. Applied Social Psychology.—A general introduction to social psychology with emphasis on areas of applied research such as propaganda analysis, public opinion polling, attitude measurement, morale, problems of democratic leadership. 3 s.h. (w)

DR. KOCH

111. Advanced General Psychology: Learning, Memory, Perception, Thinking.—3 s.h. (w)
[Not offered in 1943-44]

ASSOCIATE PROFESSOR ZENER

112. Advanced General Psychology: Action, Motivation, Emotion.—A consideration of the psychological, physiological, and social factors involved in the motivation of behavior. 3 s.h. (w)
[Not offered in 1943-44]

ASSOCIATE PROFESSOR ZENER

115. Psychology of Personality.—The nature of human personality: a study of relevant facts and viewpoints and a choice of a working concept for use in adjustment to life. Individual differences, their measurement, and their development are considered. (Not open to those who have taken Psychology 114.) 3 s.h. (w)

PROFESSOR RHINE

116. Psychology of Adjustment.—The application of psychology to the solution of problems of personality. The causes, the study, and the correction of maladjustments are discussed, with real problems as the data. 3 s.h. (w)

PROFESSOR RHINE

122. Psychology of Aesthetics.—3 s.h. (w)

PROFESSOR LUNDHOLM

128. Psychology of Belief.—3 s.h. (w)
[Not offered in 1943-44]

PROFESSOR LUNDHOLM

204. **Motivation and Learning.**—3 s.h. (E) ASSOCIATE PROFESSOR ZENER
[Not offered in 1943-44]

206. **Social Psychology.**—Kinds of membership character; psychology of social movements; propaganda; revolution; nationalism; war. 3 s.h. (E)
ASSOCIATE PROFESSOR ADAMS

207. **Psychology of Memory, Thinking, Perceiving.**—Problems of human learning, memory, thinking, perceiving, with emphasis on the factors of organization, meaning, motivation. 3 s.h. (E) ASSOCIATE PROFESSOR ZENER

*209. **Experimental Methods in Human Psychology.**—A study of methods for the control and recording of essential variables in human psychological situations, with consideration of the relation of techniques to problem formulation and psychological theory. Laboratory and lectures. 4 s.h. (E)
[Offered in spring, 1943] ASSOCIATE PROFESSOR ZENER

212. **Physiological Psychology.**—3 s.h. ASSISTANT PROFESSOR KEMP
[Not offered in 1943-44]

215. **Developmental Psychology.**—The environmental forces conditioning the development of personality structure and the mechanisms contributing to psychological growth; critical periods in character formation from infancy to senescence. 3 s.h. (E) ASSOCIATE PROFESSOR ADAMS

*223. **Abnormal Psychology.**—3 s.h. (W) PROFESSOR LUNDHOLM

226. **Contemporary Schools of Psychology.**—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ZENER

231-232. **Introduction to Research.**—Admission only after approval of the instructor supervising the research. 2 or 3 s.h.

PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE
PROFESSORS ADAMS AND ZENER; DR. KOCH

DEPARTMENTAL MAJOR

Prerequisites: Psychology 91 and Zoology 1 and 2 or equivalent courses in biology.

Major Requirements: Eighteen semester hours in psychology in addition to Psychology 91, at least six semester hours of which must be taken in Senior-Graduate courses.

DEPARTMENTAL HONORS PROGRAM

Departmental Honors in psychology are governed by the general rules covering all Honors programs.

Prerequisite: The minimum requirement for admission to Honors in psychology is the completion of Psychology 91 with a grade of "B" or higher. Completion of Zoology 1-2 is strongly recommended.

Departmental Honors Program:

(a) **Honors Readings.**—Tutorial work with a member of the Department designated by the Honors Committee. This work shall be counted as the equivalent of three semester hours in the Junior and six semester hours in the Senior year.

(b) **Courses in Psychology.**—At least six courses in the Department in addition to the prerequisite (of which at least three must be of Senior-Graduate level).

* Limited registration. Admission only after consultation with instructor.

(c) Courses in Related Fields.—To complete the total of sixty semester hours. All courses are to be chosen by consultation with the Departmental Honors Adviser.

(d) At the end of the Senior year.—A final written and oral examination on the fields of psychology chosen, and an experimental or critical paper on a selected problem.

RELIGION

PROFESSOR MYERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR PETRY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS CANNON, ORMOND, ROWE, AND SPENCE; ASSOCIATE PROFESSOR STINE-SPRING; ASSISTANT PROFESSORS CLARK, CRUM, AND OUTLER; MRS. SPENCE

The minimum uniform requirement in Religion may be fulfilled by completing six semester hours in any of the following courses: 1-2, 51-52, 101-102, 103-104, 105-106, 114, 151, 163, 167-168, 169-170, 181-182, 191. Classes in these courses are limited to fifty students.

1. The English Bible.—Survey of the contents of the historical and prophetic books of the Old Testament with particular reference to the literary, historical, and religious values. Required of all students majoring in religion, and is open to others as an elective in the Freshman year. **3 s.h.** (E & W) ASSISTANT PROFESSOR PETRY; PROFESSOR ORMOND; ASSISTANT PROFESSORS CRUM AND OUTLER; MRS. SPENCE

2. The English Bible.—Study of the Psalms, wisdom literature, and the literature of the New Testament with special attention given to the literary, historical, and religious values. Required of all students majoring in religion, and is open to others as an elective in the Freshman year. **3 s.h.** (E & W) ASSISTANT PROFESSOR PETRY; PROFESSOR ORMOND; ASSISTANT PROFESSORS CRUM AND OUTLER; MRS. SPENCE

51. The History of the Hebrew People.—A study of the Hebrew people that gives attention to their political history, their religious and social institutions, their literary development, with special reference to their contributions to civilization. For Sophomores; not open to students who have had Religion 1. **3 s.h.** (E & W) PROFESSOR MYERS; ASSISTANT PROFESSOR CRUM; AND MRS. SPENCE

52. New Testament Life and Literature.—A study of the literature of the New Testament, its historical background, and its religious value. For Sophomores; not open to students who have had Religion 2. **3 s.h.** (E & W) PROFESSOR MYERS; ASSISTANT PROFESSOR CRUM; AND MRS. SPENCE

101. The Social Teachings of the Prophets and Jesus.—A study of the social teachings of the Old Testament prophets and of the social ideals of Jesus as they appear in the four gospels. Not open to students who take course 103. **3 s.h.** (W) PROFESSOR ORMOND

102. The Christian Church in the Social Order.—This course will deal with the Christian Church in its service to society and its relation to other social institutions. **3 s.h.** (W) PROFESSOR ORMOND

103. The Prophets of the Old Testament.—In this course a study is made of the history and nature of prophecy, with particular attention being given to the messages of the outstanding pre-exilic literary prophets. Not open to students who take course 101. **3 s.h.** (W) PROFESSOR MYERS

104. The History and Religion of the Jews to the Roman Period.—The work in this course is based largely on exilic and post-exilic prophecy, the wisdom literature, and the earlier apocalyptic and apocryphal literature. 3 s.h. (w) PROFESSOR MYERS

[Not offered in 1943-44]

105. Religion in the Old Testament.—A study of vital religious faith in Israel in relation to the political, social, and economic life of the times as that faith is reflected in the writings of the Old Testament. Not open to students who take course 1 or 51. 3 s.h. (w) PROFESSOR ROWE

106. Religion in the New Testament.—A study of the New Testament writings as the recorded expression of the religious thought and experience which appeared in connection with the person, message, and work of Jesus; and the missionary activity of the early church. Not open to students who take course 2 or 52. 3 s.h. (w) PROFESSOR ROWE

114. The Life and Teachings of Jesus.—This course considers the period in which Jesus lived, the record of his life, and the meaning of his teachings as recorded in the Synoptic Gospels. 3 s.h. (w) PROFESSOR MYERS

151. Personality and Human Values.—Problems of college students in adjusting their personalities to an age of science, machinery, social conflict and doubt. Special attention will be given to spiritual values. 3 s.h. (w) PROFESSOR HART

163. Religious Education of Children.—An analysis of the religious life, interests, and capacities of children; including a study of the problems, objectives, methods, and materials involved in teaching religion to children. Directed to the needs of the lay workers in the church. 3 s.h. (E) MRS. SPENCE

167. Contemporary Religious Problems.—A course that deals with the main interests of life from the standpoint of their social and religious significance. 3 s.h. (w) PROFESSOR SPENCE

168. Masterpieces of Great Religious Literature.—This course is devoted to the religious thought in the literature from the second to the twentieth centuries, with special attention given modern religious poetry. 3 s.h. (w) (Old number SR.270.) PROFESSOR SPENCE

169. Character Problems.—Problems of youth in character building. 3 s.h. (w) ASSISTANT PROFESSOR CRUM

170. Religion and the Family.—A study of the American home in its contemporary social and religious aspects. 3 s.h. (w) ASSISTANT PROFESSOR CRUM

181. The Nature and Early Development of Religion.—Introduction to the early history of religion, the beliefs and practices of the more primitive peoples, and the religious life of the ancient world. For Juniors and Seniors. 3 s.h. (w) PROFESSOR CANNON

182. Living Religions of the World.—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Mohammedanism, and Christianity, the object being to trace the historical development of each religion. For Juniors and Seniors. 3 s.h. (w) (Old number 282.) PROFESSOR CANNON

191. Fundamentals of Christian Morality: An Introduction to Christian Ethics. (Identical with Philosophy 119.) 3 s.h. (w) DR. McLARTY

193. **A Study of Materials Suitable for Public School Courses in Religion and Ethics**, including the English Bible and other religious literature. Prerequisites: courses 1-2 or 51-52 or their equivalent. **3 s.h. (E)**

ASSISTANT PROFESSOR CRUM

201-202. **First Hebrew**.—A study in the forms of the Hebrew language with reading of selected Old Testament narratives. **6 s.h. (w)**

ASSOCIATE PROFESSOR STINESPRING

211-212. **Hellenistic Greek**.—Designed for beginners to enable them to read the Greek New Testament. **6 s.h.**, provided the student takes six semester hours in New Testament Greek the following year. **6 s.h. (w)**

ASSISTANT PROFESSOR CLARK

265. **Religious Drama**.—A historical survey of the relation between religion and drama, a study of the uses and underlying principles of religious drama, and a critical examination and interpretation of selected dramatic productions. **3 s.h. (w)**

PROFESSOR SPENCE

268. **Religious Drama Construction and Production**.—Project work in the creation and production of religious drama and pageants. Practice in the selection, staging, lighting, and direction of religious plays. Construction of dramatic programs of worship. **3 s.h. (w)**

PROFESSOR SPENCE

DEPARTMENTAL MAJOR

Prerequisite: Religion 1-2, or 51-52.

Major Requirements: A major in the Department of Religion consists of eighteen semester hours of work, exclusive of courses primarily for Freshmen, which shall be selected with the approval of the instructor under whose supervision the student does his major work.

DEPARTMENTAL HONORS PROGRAM

General Rules:

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester hours of work.

II. The minimum amount of work that may be taken in the Department of Religion shall be the equivalent of twenty-four semester hours, and the maximum shall be the equivalent of thirty-six semester hours. Of this, the work done in the Honors tutorials shall count fifteen hours, six hours for the Junior year, six hours for the Senior year, and three hours for the comprehensive examination at the end of the Senior year.

III. The related work, which shall constitute at least two fifths of the Honors program, that is, the equivalent of twenty-four semester hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

Prerequisite:

The minimum requirement for admission to Honors in Religion is the completion of a course in Religion during the Sophomore year on which the student makes at least a grade of "B."

Normal Program:

The normal program for the Honors student in the Junior year shall consist of the Honors tutorial, two courses in the Department of Religion, and two courses in related departments; in the Senior year the work shall consist of the Honors tutorial, one and one-half courses in Religion, and two in related departments.

General Honors Examinations:

Two comprehensive written examinations and a supplementary oral examination will be held at the end of the Senior year to test the student's knowledge of the special field in which he has done his Honors work.

ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR DAVIS, SUPERVISOR OF FRESHMAN INSTRUCTION IN FRENCH AND SPANISH; PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON; ASSISTANT PROFESSORS BRIDGERS, HASBROUCK, QUINN, RAYMOND, REID, AND YOUNG; DR. DOW, MME. DOW, MISS CARTER, MR. PRATT, MISS BUSSELL; AND ASSISTANTS

The courses in French from 1 to 52 inclusive, and 57-58 are for the general student. They give a reading knowledge of standard French and furnish an introduction to French letters. Courses 55-56, 107, 127-128, and 217 offer training in the French language. The literary courses are devoted to the systematic study of classical and modern French literature. Advanced students are offered an introductory course in Old French and Old French literature. Those planning to teach will find in course 218 a treatment of the teaching of French and Spanish.

The course in Italian includes the reading of Dante's *Inferno*.

The courses in Spanish from 1 to 66 inclusive are for the general student. Their objective is the attainment of ability to read the language with sufficient ease to be able to interpret standard literary Spanish. Courses 71 and 72, 171 and 172, 253, and 260 offer further training in the oral and written use of the language. The remaining courses are devoted to the interpretation of modern and classic Spanish and Spanish-American literature.

FRENCH

1-2. **Elementary French.**—6 s.h. (W) PROFESSOR WEBB AND DR. DOW

3-4. **French Prose.**—Prerequisites: French 1 and 2, or two years of high-school French. 6 s.h. (W & E)

PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSOR WALTON;
ASSISTANT PROFESSORS DAVIS AND RAYMOND;
DR. DOW AND MME. DOW

51-52. **Introduction to French Literature.**—Prerequisite: French 3 and 4 or equivalent. 6 s.h. (W & E)

PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSOR WALTON;
ASSISTANT PROFESSORS BRIDGERS, RAYMOND
AND YOUNG; DR. DOW

57-58. **Introduction to French Literature.**—Identical in content with 51-52, this course has less translation into English. Various exercises will replace translation. Considerable use will be made of French in conducting the course. Open to those whose previous training or superior record indicates that they are qualified. Prerequisites: French 3 and 4 or equivalent. 6 s.h. (W)

PROFESSOR WEBB

Students will take course 51-52 or 57-58. They will not take both 51 and 57 or 52 and 58. Total credit in these courses is limited to six semester hours. They are the basic prerequisites to all higher courses.

55. **Exercises in Spoken French**—1 s.h. (W & E) MME. LINIÈRE DOW

56. **Exercises in Spoken French.**—1 s.h. (W & E) MME. LINIÈRE DOW

107. **French Composition.**—3 s.h. (w & e)
PROFESSOR COWPER AND ASSISTANT PROFESSOR RAYMOND
108. **The French Romantic Movement.**—3 s.h. (w & e)
PROFESSOR COWPER AND ASSISTANT PROFESSOR RAYMOND
110. **Poems of Victor Hugo.**—3 s.h. (w) DR. DOW
111. **French Drama since 1850.**—3 s.h. (e) ASSISTANT PROFESSOR YOUNG
112. **French Drama since 1850.**—3 s.h. (e) ASSISTANT PROFESSOR YOUNG
115. **Masterpieces of Balzac.**—A study of the outstanding examples of Balzac's art as a story teller and creator of character. 3 s.h. (w)
ASSISTANT PROFESSOR BRIDGERS
127. **Advanced French Composition.**—Prerequisite: French 107 or equivalent. 3 s.h. (e) MME. LINIÈRE DOW
128. **Advanced French Composition.**—Prerequisite: French 107 or equivalent. 3 s.h. (e) MME. LINIÈRE DOW
213. **French Classicism.** From Malherbe to La Bruyère. 3 s.h. (w)
ASSOCIATE PROFESSOR WALTON
214. **French Classicism.**—From La Bruyère to the Encyclopedists and Beaumarchais. 3 s.h. (w)
ASSOCIATE PROFESSOR WALTON
- 215-216. **The Modern French Novel.**—A survey of the novel form from the seventeenth to the twentieth centuries, with particular attention to the analysis of fundamental literary tendencies: classicism, rationalism, romanticism, and realism. 6 s.h. (e) PROFESSOR JORDAN
217. **French Phonetics.**—French sounds and French spelling; pronunciation drills; exercises in phonetic transcription and dictation; diction, aural comprehension. Prerequisite: 3 s.h. from courses 107 or 127-128. 3 s.h. (w)
(Second semester) PROFESSOR WEBB
218. **Materials and Methods.**—History of the teaching of French and Spanish; methods; the course of study; analysis and criticism of representative texts, tests, and examinations; objectives in the light of teaching conditions, equipment and future application. Prerequisites: for French, 107; for Spanish, 65-66. 3 s.h. (w)
(First semester) PROFESSOR WEBB
219. **Old French.**—An introduction to the Old French language and literature. The *Chanson de Roland*—*Aucassin et Nicolette*. 3 s.h. (w)
PROFESSOR COWPER
220. **Old French.**—Types of Old French literature. The Romances of Chivalry. 3 s.h. (w) PROFESSOR COWPER
227. **French Poetry since Théophile Gautier.**—Parnassianism and symbolism. 3 s.h. (w)
ASSOCIATE PROFESSOR WALTON
[Not offered in 1943-44]
232. **Rousseau and the Beginnings of Romanticism.**—3 s.h. (w)
[Not offered in 1943-44] PROFESSOR COWPER
233. **Main Currents of Modern French Literature.**—A survey of the principal literary tendencies from the seventeenth to the nineteenth centuries. Selected illustrative readings from leading authors. 3 s.h. (w)
[Not offered in 1943-44] PROFESSOR WEBB

ITALIAN

181-182. *Italian*.—Introduction to the language, modern Italian readings, and Dante's *Inferno*. 6 s.h. (w) PROFESSOR WEBB

ROMANCE LITERATURE IN TRANSLATION

191. *Romance Literature of the Renaissance in Translation*.—The Renaissance in Italy: Dante, Petrarch, Boccaccio, Machiavelli. 3 s.h. (w)

ASSISTANT PROFESSOR BRIDGERS

192. *Romance Literature of the Renaissance in Translation*.—The Renaissance in France and Spain: Rabelais, Montaigne, Cervantes, and Lope de Vega. 3 s.h. (w)

ASSISTANT PROFESSOR BRIDGERS

SPANISH

1-2. *Elementary Spanish*.—6 s.h. (w & E)

ASSISTANT PROFESSORS DAVIS, RAYMOND, AND YOUNG; DR. DOW,
MR. PRATT, MISS CARTER, AND MISS BUSSELL

3-4. *Intermediate Spanish*.—Prerequisites: Spanish 1-2 or two years of high-school Spanish. 6 s.h. (w & E)

ASSISTANT PROFESSORS BRIDGERS AND QUINN; MR. PRATT,
MISS CARTER, AND MISS BUSSELL

65. *Introduction to Modern Spanish Literature*.—Prerequisites: Spanish 3-4 or equivalent. 3 s.h. (w & E)

ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSORS
BRIDGERS, DAVIS, AND QUINN

66. *Introduction to Spanish Literature of the Golden Age*.—Prerequisites: Spanish 65 or equivalent. 3 s.h. (w & E)

ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT
PROFESSORS BRIDGERS AND DAVIS

Spanish 65-66 are the basic prerequisites to all higher courses.

71. *Elementary Conversation*.—Prerequisites: completion of Spanish 4 or equivalent and approval of instructor. Normally this course should be taken concurrently with Spanish 65-66. (Enrollment limited to twenty students.) 1 s.h. (E)

MISS CARTER

72. *Elementary Conversation*.—1 s.h. (E)

MISS CARTER

155. *Survey of Spanish-American Literature*.—Reading and discussion of representative texts illustrating the cultural development from Colonial times through Romanticism. Prerequisites: Spanish 65-66 or special permission. 3 s.h. (w)

ASSISTANT PROFESSOR QUINN

[Not offered in 1943-44]

156. *Survey of Spanish-American Literature*.—Reading and discussion of representative works in the field of the novel, drama, and poetry of the past century, including consideration of native types such as the *gaucho* and the *indio* together with brief introduction to the *modernista* movement. Prerequisites: Spanish 65-66 or special permission. 3 s.h. (w)

ASSOCIATE PROFESSOR LUNDEBERG

157. *The Modern Spanish Theater*.—The Spanish drama from Galdós to the Quinteros. Prerequisites: Spanish 65-66 or special permission. 3 s.h. (w)

ASSISTANT PROFESSOR DAVIS

158. *The Modern Spanish Theater*.—The Spanish drama from the Romantic revival to Echegaray. Prerequisites: Spanish 65-66 or special permission. 3 s.h. (w)

ASSISTANT PROFESSOR HASBROUCK

[Not offered in 1943-44]

171. Intermediate Conversation.—Emphasis will be laid on war Spanish. Prerequisites: Spanish 71-72 or equivalent. May be taken only concurrently with one of the 100 courses in Spanish. 1 s.h. (w)

ASSOCIATE PROFESSOR LUNDEBERG

172. Intermediate Conversation.—1 s.h. (w)

ASSOCIATE PROFESSOR LUNDEBERG

253. Spanish Phonetics.—The sounds of the Spanish language; sound changes; exercises in transcription; regional pronunciation; intonation; limited use of electrical recording machines. Prerequisites: Spanish 65-66. (Enrollment limited to fifteen students.) 3 s.h. (w)

ASSOCIATE PROFESSOR LUNDEBERG

255-256. Studies in Spanish-American Literature.—The course will center about the development of national and continental consciousness in Spanish-American literary history from Colonial times to the present day, although special emphasis will be given to modern literature. Extensive individual investigations and reports with adequate training in bibliography. 6 s.h. (w)

[Not offered in 1943-44]

ASSISTANT PROFESSOR REID

257. The Modern Spanish Critical Essay.—This course will attempt a definition of the Spanish national genius in relation to contemporary European thought. The main emphasis will be given to the critical essays of such recent writers as Unamuno, Ortega y Gasset, and Madariaga. 3 s.h. (w)

[Not offered in 1943-44]

ASSISTANT PROFESSOR HASBROUCK

258. Landmarks of Medieval and Renaissance Literature.—The development of the national spirit as manifested in representative works of early Spanish literature, such as the *Cantar de Mio Cid*, the *Romancero*, and the *Celestina*, with some attention to the characteristics of the older language. 3 s.h. (w)

ASSISTANT PROFESSOR DAVIS

260. Advanced Syntax and Composition.—Systematic review of Spanish syntax; free oral and written composition; selected translation assignments; epistolary forms, etc. Conducted mainly in Spanish. Prerequisites: Spanish 65-66. (Enrollment limited to fifteen students.) 3 s.h. (w)

ASSOCIATE PROFESSOR LUNDEBERG

261-262. Modern Spanish Novel.—The evolution of the novel from the *costumbrista* writers through the generation of 1898. Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 6 s.h. (w)

[Not offered in 1943-44]

ASSOCIATE PROFESSOR LUNDEBERG

265. Golden Age Literature: Cervantes. The *Novelas ejemplares*; analytic study of the tales, their style, literary importance and influence. Prerequisites: 6 s.h. from course 155 to 158 inclusive or 65-66 with permission. 3 s.h. (w)

ASSOCIATE PROFESSOR LUNDEBERG

266. Golden Age Literature: The Don Juan Theme.—Study of representative Don Juan plays of the Golden Age, with reference to use of this motif by later writers. Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 3 s.h. (w)

[Not offered in 1943-44]

ASSOCIATE PROFESSOR LUNDEBERG

DEPARTMENTAL MAJOR

Prerequisites: French 1-2, 3-4, or equivalent, for French. Spanish 1-2, 3-4, or equivalent, for Spanish.

Major Requirements: In French, twenty-four semester hours of work must be completed in courses above the Freshman level, and must include: (a) six semester hours from the group 107, 127-128, 217; (b) six semester hours of literature in courses numbered 213 to 233.

In Spanish, twenty-four semester hours must be completed as follows: twelve semester hours in the courses 65-66, 155-156, 157-158; twelve semester hours from the group 253-266.

Students desiring the recommendation of the Department for the teaching of French or Spanish will take in addition course 218.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: Completion of 51-52 or 57-58 by the end of the Sophomore year in a manner satisfactory to the Departmental Committee.

Honors work in French includes:

(a) Training in the use of written and oral French; composition, résumé, and literary commentary in French. 3 s.h. each semester of Junior and Senior years, total 12 s.h.

(b) Readings in French literature.

(1) Survey of chief authors. 3 s.h. each semester or 12 s.h.

(2) Genre studies beginning with the modern novel. 3 s.h. each semester or 12 s.h.

(c) Comprehensive examination.

(d) Related work: 24 s.h.

SOCIOLOGY AND ANTHROPOLOGY

PROFESSOR ELLWOOD, CHAIRMAN; PROFESSOR JENSEN, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR HART; ASSOCIATE PROFESSORS GILLIN AND THOMPSON

91-92. General Sociology.—The same as course 101, except that it gives an additional hour of credit to permit the introduction of more concrete materials, and admits Sophomores with an average grade of not less than "C" during the Freshman year. **6 s.h. (E)** PROFESSOR JENSEN

101. General Sociology.—An introduction to the scientific study of social life; its origin, evolution, and organization as illustrated by the study of a number of concrete social problems. This course is repeated each semester and it, or its equivalent course 91-92 or course 131-132, is prerequisite to all other courses in sociology. **5 s.h. (w)** PROFESSOR ELLWOOD

102. General Sociology.—The same as course 101. **5 s.h. (w)**

PROFESSOR ELLWOOD

109. Sociology of the South.—The developing regional organization of the world economy studied with especial reference to Southern life and problems. A survey of the composition and distribution of population, races and race relations; economic conditions underlying population, race factors, and culture of the South. Primary emphasis is upon social change and its control. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)**

ASSOCIATE PROFESSOR THOMPSON

111. Introduction to Child Welfare.—A special course in child welfare for Juniors and Seniors. Prerequisite: course 91-92, 101 or 131-132. **3 s.h. (w)**

PROFESSOR JENSEN

114. Race Relations.—Against the background of a preliminary study of interracial experiences in other parts of the world an effort is made to understand more clearly the racial situation in the Southern States. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)** ASSOCIATE PROFESSOR THOMPSON

122. Personality and Culture.—Problems of college students in adjusting their personalities to the social institutions of which they are, or are to be, parts. Prerequisite: Sociology 91-92, 101, or 131-132. **3 s.h. (w)**

PROFESSOR HART

131. General Anthropology.—A survey of mankind and its cultural activities from the earliest times to the present day; fossil man and the development of the present species; modern races and varieties; first steps and later elaborations in tools and other material creations, language, family life and social organization, political institutions, art, and religion. Special attention will be given to the simpler societies. **3 s.h.**

PROFESSOR ELLWOOD

132. Cultural Anthropology.—A study of the dynamics of culture and its varieties, using materials from the simpler societies in various parts of the world; functions of culture, psychological aspects, the individual and culture, environmental aspects, cultural growth and change, acculturation; applications of these concepts to certain contemporary problems. Prerequisite: course 91-92, 101, or 131. **3 s.h.**

PROFESSOR ELLWOOD

205. Social Pathology.—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: poverty, physical defectiveness, malnutrition, mental deficiency, mental disease, undirected leisure activities and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)**

PROFESSOR JENSEN

206. Criminology.—A study of the original tendencies of man and the problem of socializing these tendencies; the relations of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)**

PROFESSOR JENSEN

212. Child Welfare. A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, and compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)**

PROFESSOR JENSEN

[Offered in Summer Session, 1943]

213. Constructive Social Policies.—An intensive study of the theories and legislation dealing with such problems as compensation, vocational re-education, and other methods of social insurance and social improvement. Prerequisite: course 91-92, 101, or 131-132. **2 s.h. (w)**

PROFESSOR JENSEN

[Not offered in 1943-44]

215. Rural Sociology.—A study of the societies developed by people who settle the land and exploit it for a livelihood; patterns of settlement; culture; peasant, farmer, and folk societies; and rural institutions. Special attention is given to the plantation and to the rural problems of the South. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)**

ASSOCIATE PROFESSOR THOMPSON

216. Urban Sociology.—The city and civilization. This course studies the inner life and problems of the city and its function in the larger regional and world community which it nucleates. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)**

ASSOCIATE PROFESSOR THOMPSON

217. Race and Culture.—An analytical study of racial and cultural relations and problems of the Indian, the Negro and other minority groups in historical and contemporary situations. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)**

ASSOCIATE PROFESSOR THOMPSON

225. Statistical Methods in Sociology.—Deals with the processes of definition, classification, measurement, tabulation, association, correlation, comparison of averages and of percentages, causation, prediction, preparation and interpretation of charts and graphs, as applied to and illustrated by sociological data. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)** PROFESSOR HART

227. Emigration and Immigration.—A study of territorial movements of population with special reference to Europe and America. Causes and extent of migration; its effect upon American and European society; origin and characteristics of immigrant groups and their organization in the New World; problems, agencies, and processes of assimilation. Prerequisite: course 91-92, 101, or 131-132. **3 s.h. (w)** PROFESSOR JENSEN

[Not offered in 1943-44]

236. Social Ethics.—An attempt to develop answers to such questions as: How can potential leaders discover and acquire the skills required for rendering their fullest service to their fellow men, particularly capacities for creative cooperation and insight? On what intellectually and scientifically sound basis can one formulate the fundamental policies of one's life? On what ultimate criteria are social policies to be based? **3 s.h.** PROFESSOR HART

237. Indians of North America.—Origin and early developments of aboriginal populations; development and distribution of tribes, their customs and languages; Indian influences on Euro-American culture; present status of the Indians; considerations of the culture-environment relationship in the light of comparisons between aboriginal and modern American life. Prerequisite: course 131. **3 s.h. (w)** ASSOCIATE PROFESSOR GILLIN

[Not offered in 1943-44]

238. Anthropological Backgrounds of Latin America.—The aboriginal races and cultures of Latin America; origins, development; distribution and variations at the time of the Discovery; Iberian and African racial importations of the past four hundred years; the contemporary fusion and mixtures in such areas as Brazil, the Andean highlands, etc., and their relation to certain contemporary problems. Prerequisite: course 131. **3 s.h.**

[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN

239. Acculturation and Cultural Synthesis.—A study of the results of contact between preliterate and literate cultures in various parts of the world and the prospects for the future. Prerequisite: course 131. **3 s.h. (w)**

[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN

240. The Peoples of Africa.—A survey of the aboriginal peoples and cultures of Africa from the earliest times to the present day, with special attention to the areas of origin of the American Negro. Prerequisite: course 131. **3 s.h. (w)** ASSOCIATE PROFESSOR GILLIN

[Not offered in 1943-44]

242. Marriage and the Family.—An analysis of contemporary marriage and family experience with emphasis on its functions, problems, resources, and values. Sociology 91-92, 101, or 131-132. **3 s.h. (w)** PROFESSOR HART

251. Special Problems in Social Pathology.—Research projects in social and personal disorganization, limited to advanced students with the approval of the instructor. Prerequisite: course 205 or its equivalent. *Both semesters.* **1 to 3 s.h. (w)** PROFESSOR JENSEN

252. Education and Social Control.—A study of education as an agency of social progress from primitive times to the present. Prerequisite: course 91-92, 101 or 131-132. **2 s.h. (w)** PROFESSOR ELLWOOD

[Not offered in 1943-44]

281. Public Opinion.—The fundamental problems and processes of social control and social change in democratically organized groups; the nature and development of public opinion, its cultural and psychological bases, the role of leadership, pressure groups, prestige, propaganda, censorship, advertising, the press, the motion picture, the radio, the graphic arts, etc., in its management and dissemination. **3 s.h. (w)**

PROFESSOR JENSEN

[Not offered in 1943-44]

299. Marriage and Family Counseling.—A survey of practical problems in the light of social, psychological, and spiritual fundamentals, for persons preparing for professional work. Prerequisite: course 91-92, 101, or 131-132. **2 s.h.**

PROFESSOR HART

DEPARTMENTAL MAJOR

Students desiring to take a major in sociology are required to complete course 91-92 or 101 or 102 or 131-132 and twelve additional hours in the Department, at least six of which must be from courses numbered 200 or over.

ZOOLOGY

PROFESSOR GRAY, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR BOOKHOUT, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSISTANT PROFESSOR JEFFERS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE); PROFESSORS CUNNINGHAM, HARGITT, PEARSE, ROGERS; ASSISTANT PROFESSOR JOHNSON; DRs. EVANS, WHARTON; AND ASSISTANTS

1. General Zoology.—A brief survey of the animal kingdom. **4 s.h. (w & e)**

ASSISTANT PROFESSORS BOOKHOUT, JEFFERS, JOHNSON;
DR. WHARTON; AND ASSISTANTS

2. Animal Biology.—A study of the principles of biology as applied to animals. Prerequisite: Zoology 1. **4 s.h. (w & e)**

PROFESSOR GRAY; ASSISTANT PROFESSORS JEFFERS, JOHNSON;
DRs. EVANS, WHARTON; AND ASSISTANTS

53. Comparative Vertebrate Anatomy.—A study of the anatomy and evolution of the organ systems of vertebrates. Prerequisites: Zoology 1 and 2. **4 s.h. (w & e)**

PROFESSOR GRAY; DRs. EVANS AND WHARTON

92. General Embryology.—A study of the fundamental principles of embryology as illustrated in the frog, chick, and mammal. Prerequisite: Zoology 53. **4 s.h. (w & e)**

PROFESSOR CUNNINGHAM AND ASSISTANT PROFESSOR JEFFERS

109. Evolution.—The facts and theories of organic evolution. Prerequisite: Two years of Zoology. **2 s.h. (w)**

ASSISTANT PROFESSOR JOHNSON

110. Introduction to Genetics.—The principles and practical applications of genetics as applied to animals, including man. Prerequisite: One year of Zoology. **2 s.h. (w)**

ASSISTANT PROFESSOR JOHNSON

151. Comparative Physiology.—The primary functions of animals of all groups and a more detailed study of the physiological processes in mammals. Prerequisite: Zoology 53. **4 s.h. (w)**

PROFESSOR ROGERS

156. Vertebrate Histology.—The microscopic structure of normal tissues and organs of the vertebrate body. Training will be given in the preparation of material for microscopic study. Prerequisite: Zoology 53. **4 s.h. (w)**

PROFESSOR HARGITT

161. Animal Parasites.—With emphasis upon those infesting man. Prerequisite: One year of Zoology. **4 s.h. (w)** PROFESSOR PEARSE

FOR SENIORS AND GRADUATES

204. Advanced Parasitology.—Lectures, conferences, readings, and laboratory work, dealing with practical and theoretical matters relating to animal parasites. Offered in alternate years. Prerequisite: Zoology 161. **4 s.h. (w)**
[Not offered in 1943-44] PROFESSOR PEARSE

219-220. Special Problems.—Senior majors who have had proper training may be permitted to carry on special work. Permission must be obtained from the Director of Undergraduate Studies and the instructor under whom the student wishes to work. Not more than **4 s.h. (w)** STAFF

222. Entomology.—A study of anatomy, physiology, embryology, and classification of insects. Prerequisite: One year of Zoology. **4 s.h. (w)** PROFESSOR GRAY

224. Vertebrate Zoology.—A study of life histories, adaptations, ecology, and classification of vertebrate animals. May be offered when the demand is sufficient. Prerequisite: Zoology 53. **4 s.h. (w)** PROFESSOR GRAY

229. Endocrinology.—The structure, physiology, and embryology of the endocrine glands. Lectures, reading assignments, reports, and laboratory work. Prerequisites: Zoology 53 and 92. **4 s.h. (w)** PROFESSOR CUNNINGHAM

256. Seminar: Current Developments in Physiological Zoology.—Prerequisite: Zoology 151. Open only to Seniors. **2 s.h. (w)** PROFESSOR ROGERS

274. Invertebrate Zoology.—A study of structure, function, and habits of invertebrate animals under normal and experimental conditions. Field trips will be made to study, collect, and classify animals in their natural habitats. Prerequisites: Zoology 1 and 2. **4 s.h. (w)** Offered in alternate years.
ASSISTANT PROFESSOR BOOKHOUT

276. Protozoology.—The morphology, physiology, taxonomy, and culture of protozoa. Offered in alternate years. Prerequisites: Zoology 1 and 2. **4 s.h. (w)**
[Not offered in 1943-44] ASSISTANT PROFESSOR BOOKHOUT

RELATED COURSES, ONE OF WHICH MAY BE COUNTED TOWARD
A MAJOR IN ZOOLOGY

Botany 101. Principles of Heredity.—3 or 4 s.h. (w)
ASSISTANT PROFESSOR PERRY

Botany 103. General Bacteriology.—4 s.h. (w & e) PROFESSOR WOLF

Botany 202. Genetics.—4 s.h. (w) ASSISTANT PROFESSOR PERRY

DEPARTMENTAL MAJOR

Prerequisites: Zoology 1 and 2.

Major Requirements: Twenty-four semester hours including courses 53, 92, 151. The remaining twelve hours may be from any other courses for which the student is eligible.

DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in zoology a student is expected to have completed zoology courses 1, 2, 53, 92 and not less than eight semester hours of chemistry.

Honors work consists of regular courses and independent study; the program, however, will not be the same for all students. Zoology 151 is required of all zoology majors; the number and nature of other courses to be taken in zoology and in related subjects will depend upon the needs and interests of the student. The usual number of semester courses will be four to six in zoology and six in other subjects in the Natural Science Group.

In addition to regular courses each student shall read in such fields as history of biology and zoological theories, or in special fields, and shall undertake a special research problem under the direction of some member of the Staff whom the student may select. The student may be asked to prepare written reports on his readings and must present a written report on his research problem. Readings and problem count for nine to twelve semester hours.

At the end of the Junior year an examination will be given to test the student's ability to correlate material and to determine his fitness to continue in the Honors Group. At the end of the Senior year a general comprehensive examination covering the entire field of study must be passed.

THE COLLEGE OF ENGINEERING

ADMISSION

Admission to the College of Engineering of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability. Prospective students and relatives are invited to visit the University and the College of Engineering in particular. This would be advantageous to the applicant since it would enable him to acquaint himself with the facilities of the University, and to discuss possible courses of study.

Certain days are announced in the University Calendar each year for the registration, classification, and sectioning of students. Those students who are admitted later than the dates announced must pay to the Treasurer \$5.00 additional for the privilege of matriculation.

An applicant for admission to the Freshman Class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one fourth of the annual amount of work regularly required in the school.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

UNITS		UNITS	
English	4	Botany	1
Latin	4	Zoology	1
Greek	3	General Biology	1
German	3	Physical Geography	1
French	3	General Science	1
Spanish	3	Agriculture	2
Mathematics	4	Mechanical Drawing	2
History and Civics	4	Woodwork, Forging, and	
Physics	1	Machine Work	2
Chemistry	1	Household Economics	2
		Commercial Subjects	3

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be admitted without examination. These certificates must be properly made

out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least nine and one half of the fifteen units required for admission must come from the following:

Required Units

English	3 units
A Foreign Language	2 units
*Science	1 unit
History	1 unit
**Algebra	1½ or 2 units
Plane Geometry	1 unit

Elective Units

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

Algebra	½ unit
Solid Geometry	½ unit
Trigonometry	½ unit
†German or French or Latin or Spanish or Greek	1 to 4 units
History or Civics (not the required unit)	1 to 3 units
Physics or Chemistry or Biology (not the required unit)	1 to 3 units

ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable, are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: all applicants must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institu-

* Wherever possible, physics or chemistry should be offered for this requirement.

** Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

tions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester hours of work approved for Seniors, with an average grade of "C," is required of all candidates for the Bachelor's degree.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year-courses with an average grade of "C" or higher.

The date for the registration and classification of students with advanced standing from other institutions is announced in the University Calendar. Students who are admitted later than this date are required to pay to the Treasurer \$5.00 additional for the privilege of matriculating.

FRESHMAN WEEK

The week immediately preceding the opening of College is set aside for the induction of Freshmen. During this period health examinations, psychological tests, and placement tests are given in English and mathematics. Sectioning in these two subjects is based on the grades made on the placement tests. The Freshmen are divided into groups for instruction in the use of the Library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to a new environment. Attendance upon these exercises is required of all Freshmen.

SPECIAL STUDENTS

Students of mature age not fully prepared to enter the Freshman Class may be admitted as special students and allowed to enroll for such work as they are prepared to carry. Further, they are required to take fifteen hours of classwork a week.

FEES AND EXPENSES

Information as to fees and expenses and room accommodations applicable to the College of Engineering is given, along with similar information for Trinity College and the Woman's College, on pages 167-172.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GENERAL STATEMENT

The studies for the degree of Bachelor of Science in Civil, Electrical, or Mechanical Engineering are designed for students who are preparing for civil, electrical, and mechanical or aeronautical engineering as a profession and lead to the following degrees: B.S. in C.E., B.S. in E.E., and B.S. in M.E. All curricula of the College of Engineering are fully accredited by the Engineers' Council for Professional Development, recognized accrediting agency in the field of engineering education.

Each of these degrees requires one hundred and thirty-eight semester hours of work of which one hundred and twenty must be completed with an average grade of "C." Six semester hours of electives must be taken in the Department of Economics or of Political Science. If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students should note that immediately after the final examinations in May or June a three-weeks course in surveying is given under the direction of the Summer Session. This course is required of all civil engineering students at the end of their Freshman year and is required of all other engineering students before graduation.

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GROUP I

CIVIL ENGINEERING

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing G.E. 1	2	Drawing G.E. 2	2
Physical Education		Physical Education	
17		17	

Three weeks of Surveying S60 in summer. Credit 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Economics 51	3	Economics 52	3
Statics G.E. 57	3	Kinetics G.E. 58	3
Surveying 61	2	Steam Engineering M.E. 55	2
Route Surveying 63	2	Route Surveying 64	2
Physical Education		Physical Education	
	17		17

Junior Year

Strength of Materials 107	3	Hydraulics 128	3
Structures 131	4	Structures 132	4
Highways 115	3	Materials 118	3
Electrical Engineering 153	3	Electrical Engineering 154	3
Elective	3	Elective	3
	16		16

Senior Year

Sanitary Engineering 123	4	Sanitary Engineering 124	3
Concrete 133	3	Concrete 134	3
Railroads 119	3	Astronomy-Navigation 112	3
Heat Power M.E. 103	3	Heat Power M.E. 104	3
Mechanical Engineering Lab. 115 ..	1	Mech. Engg. Lab. 116	1
Elective	3	Civil Engineering Project 143	3
		Elective	2
	17		
			18

GROUP II

ELECTRICAL ENGINEERING

Freshman Year

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing 1	2	Drawing 2	2
Physical Education		Physical Education	
	17		17

Three weeks of Surveying S60 in summer. Credit 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics 57	3	Kinetics-Mechanism 52	4
Electrical Engineering 51	3	Electrical Engineering 52	3
Economics 51	3	Economics 52	3
Steam Engineering 55	2	Physical Education	
Physical Education			
	18		17

Junior Year

Theory of D. C. Circuits 151.....	4	Theory of A. C. Circuits 152	3
Hydraulics 128	3	Strength of Materials 107-109.....	4
Electrical Circuits Lab. 161.....	1	Electrical Circuits Lab. 162	1
Heat Power Engineering 103	3	Heat Power Engineering 104	3
Differential Equations 131	3	Electrical Measurements 104.....	3
Mechanical Engineering Laboratory 115	1	Mechanical Engineering Laboratory 116	1
	15		15

Senior Year

A. C. Machinery 257	3	A. C. Machinery 258	3
Electric Power Trans. 159	3	Electric Power Stations 158	2
Communication 261	3	Communication 262	4
D. C. Machinery 155	2	Seminar 166	1
Electrical Machinery Laboratory 163	1	Electrical Machinery Laboratory 164	1
Seminar 165	1	Electives	6
Electives	6		17
	19		

In conformance with the wishes of the United States armed services, during wartime the curriculum in electrical engineering will emphasize particularly those aspects of theory and practice which are encountered principally in the field of electrical communications. During 1942-1943 the Senior curriculum has been modified to include intensive special classroom and laboratory training in radio, with particular reference to ultra-high frequency techniques.

GROUP III**MECHANICAL ENGINEERING***Freshman Year*

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing 1	2	Drawing 2	2
Physical Education		Physical Education	
	17		17

Three weeks of Surveying S60 in summer. Credit 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics, G.E. 57	3	Kinetics-Mechanism 54.....	5
Const. Processes 51	3	Steam Engineering 55	2
Economics 51	3	Economics 52	3
Physical Education		Physical Education	
	16		17

Junior Year

Fluid Mechanics 105	3	Machine Design 150	3
Str. of Materials 107-109	4	Aeronautics 108	3
Electrical Engg. 153	3	Electrical Engg. 154	3
Thermodynamics 101	3	Thermodynamics 102	3
M.E. Lab. 113	1	M.E. Lab. 114	2
Elective	3	Elective	3
	17		17

Senior Year

<i>Mechanical Option</i>			
Machine Design 151	3	Industrial Engg. 158	3
Int. Comb. Eng. 155	3	Power Plants 162	3
Heating and Air Cond. 153	3	Refrigeration 154	3
M.E. Lab. 159	2	M.E. Lab. 160	2
Seminar 199	1	Seminar 200	1
Electives	5	Electives	5
	17		17

Senior Year

<i>Aeronautics Option</i>			
Machine Design 151	3	Industrial Engg. 158	3
Int. Comb. Eng. 155	3	Airplane Design 172	3
Airplane Design 171	3	Airplane Engines 156	3
Aerodynamics 173	2	Aerodynamics 174	2
M.E. Lab. 159	2	Aeronautics Lab. 176	2
Seminar 199	1	Seminar 200	1
Elective	3	Elective	3
	17		17

COURSES OF INSTRUCTION, COLLEGE OF ENGINEERING

PROFESSOR HALL, DEAN; PROFESSOR BIRD, CHAIRMAN CIVIL ENGINEERING; PROFESSOR SEELY, CHAIRMAN ELECTRICAL ENGINEERING; PROFESSOR WILBUR, CHAIRMAN MECHANICAL ENGINEERING; ASSISTANT PROFESSORS LOUISE HALL, HINTON, LEWIS, MEIER, REED, AND WATSON; MESSRS. DURLAND, HOFFER, KRAYBILL, THEISS, VAIL, AND WILLIAMS

GENERAL ENGINEERING

1-2. Engineering Drawing.—The study of mechanical drawing with emphasis on drawing parts, elementary machines, dimensioning, and working drawings; pencil and ink technique; elementary drawing board geometry, including point line and plane relations, and elementary work in developments and intersections. **4 s.h. (E)**

ASSISTANT PROFESSOR LEWIS, MESSRS. DURLAND AND HOFFER

5. Descriptive Geometry.—The study of drawing board problems involving point, line, and plane relationships; development of solids; intersections of solids and concurrent non-coplanar forces, with emphasis on practical applications. **2 s.h. (E)**

ASSISTANT PROFESSOR LEWIS

51-52. Technical Drawing.—For liberal arts students in training for war service, either military or civil. Elementary principles of machine, structural, and topographic drawing. Nine laboratory hours. **6 s.h. (E)**

ASSISTANT PROFESSOR L. HALL

57. Statics.—Concurrent forces, parallel forces, nonconcurrent and non-parallel forces, centroids, friction, moment of inertia. Prerequisites: courses G.E. 1-2, Mathematics 9 and 10. **3 s.h. (E)**

STAFF

58. Kinetics.—Translation, rotation, work, energy, and momentum. Prerequisites: courses G.E. 57, and Mathematics 59. **3 s.h. (E)**

STAFF

107. Strength of Materials.—Elastic bodies under stress; flexure of simple, overhanging, fixed, and continuous beams; columns; combined stresses, etc. For Civil Engineering students, the laboratory work is included in course 118. Other students should take course G.E. 109 for laboratory. Prerequisite: course 57. **3 s.h. (E)**

STAFF

109. Strength of Materials Laboratory.—Concurrent with course G.E. 107. **1 s.h. (E)** Either semester.

STAFF

128. Hydraulics.—Hydrostatics; flow of water through orifices, weirs, pipes, and open channels; general principles of water wheels and turbines. Prerequisite: course 57. **3 s.h. (E)** Either semester.

STAFF

151-152. Elements of Cartography.—For liberal arts students in training for war service, either military or civil. Development and uses of maps and charts; scales, symbols, contours, and profiles; construction of projections; field and office computations, and control plotting; sources for compilation, and the applications of aerial photography; preliminary and final drafting, and reproduction. One-hour class and six laboratory hours. **6 s.h. (E)**

ASSISTANT PROFESSOR L. HALL

CIVIL ENGINEERING

PROFESSORS BIRD AND HALL; ASSISTANT PROFESSOR WATSON;
MR. WILLIAMS

S60. Plane Surveying.—Use of instruments; transit, stadia, compass and plane table surveying; simple triangulation; determination of meridian by observation on Polaris; differential and profile leveling; setting grade stakes; calculation of bearings, latitudes, and departures; areas by planimeter; methods of plotting, survey and plot of sections of the campus by stadia, and transit and tape. Eight hours a day, three weeks, Summer Session. Prerequisite: G.E. 1 and trigonometry. **3 s.h. (E)** STAFF

61. Higher Surveying.—Care and adjustment of instruments; topographical surveying; surveys and resurveys; laying out and division of land; public land system; further calculations, omitted measurements, areas by double longitude; quantities from profiles and cross sections. Prerequisite: course S60. **2 s.h. (E)** MR. WILLIAMS

63-64. Route Surveying.—Thorough drill in the calculation and laying out of simple, compound, and easement curves, widening of curves, vertical curves, setting slope stakes, ordinary earthwork computations, and mass diagrams. Prerequisite: course S60. **4 s.h. (E)** ASSISTANT PROFESSOR WATSON

70. Civil Engineering Drawing.—Elements of topographical and structural drafting. Two three-hour drawing periods. Prerequisite: course G.E. 1-2. **2 s.h. (E)** PROFESSOR BIRD

112. Practical Astronomy and Navigation.—Determination of time, longitude, latitude, and azimuth. Pilotage, dead reckoning, celestial navigation. Observations and calculations. Prerequisite: S60 or with the consent of the instructor. **3 s.h. (E)** PROFESSOR BIRD

115. Highway Engineering.—Location, construction, and maintenance of roads and pavements; dust prevention; road economics. **3 s.h. (E)** PROFESSOR HALL

118. Materials of Engineering.—Study and testing of materials commonly used in engineering. Prerequisite: course G.E. 107 or concurrent. **3 s.h. (E)** MR. WILLIAMS

119. Railroad Engineering.—Differences between highway and railway practice affecting curves and earthwork. Frogs, switches, and crossings. Preliminary and location survey of a railway of sufficient length to secure familiarity with methods of actual practice. Paper location with estimate of cost. Prerequisite: Course 63-64. **3 s.h. (E)** PROFESSOR BIRD

120. Railroad Engineering.—Construction and maintenance of track and trackwork, economics, and operating conditions affecting location. Prerequisite: Course 63-64. **2 s.h. (E)** PROFESSOR BIRD

123-124. Sanitary Engineering.—

(a) **Hydrology.**—Factors affecting precipitation; evaporation from land and water surfaces; relation of precipitation to run-off; estimating run-off; floods and flood flows. **Stream gauging.**

(b) **Public Water Supply.**—Quantity and quality of water required, hydraulics of wells, reservoirs, works for purification and distribution of water. Standard laboratory tests for chemical and bacteriological examination of water.

(c) **Sewerage.**—Sewerage systems, rainfall and storm water flow, sizes of storm and sanitary sewers, sewage disposal. Standard laboratory tests of sewage. Prerequisite: course G.E. 128. **7 s.h. (E)** PROFESSOR HALL

131. Steel Structures—Stresses.—Roofs, parallel chord bridges under all types of loads, inclined top chord bridges, including subdivided panels, wind bracing. Prerequisite: course G.E. 57. **4 s.h. (E)** PROFESSOR BIRD

132. Steel Structures—Design.—Built beams, plate girders, tension members, compression members, tension and compression members, end posts, stringers, floor beams, pins, plates, etc. Drafting. Prerequisites: courses G.E. 107 and 131. **4 s.h. (E)** PROFESSOR BIRD

133. Reinforced Concrete.—Theory and design of reinforced concrete beams, slabs, columns. Prerequisite: course G.E. 107. **3 s.h. (E)** PROFESSOR BIRD

134. Advanced Reinforced Concrete.—Retaining walls, foundations, buildings, rigid frames. Prerequisites: courses 133 and 135. **3 s.h. (E)** PROFESSOR BIRD

135. Soils and Foundations. Fundamental relations and soil classification, Atterberg limits, capillary phenomena and permeability of soils, soil stabilization. Different behavior of granular and plastic soils affecting the foundations of structures, earth pressure against retaining walls. Prerequisite: course G.E. 107. **3 s.h. (E)** ASSISTANT PROFESSOR WATSON

137-138. Seminar.—Students are required to make reports and to talk on current engineering literature or on such other topics as may be assigned. **2 s.h. (E)** STAFF

143-144. Projects in Civil Engineering.—This course may be assigned by the Chairman of the Department to certain Seniors who have shown an aptitude for research in one distinct field of civil engineering, in which case it may be substituted for certain general civil engineering courses. **3-6 s.h. (E)** STAFF

240. Indeterminate Structures.—Introductory course dealing with the application of theory of least work, deflection, and rotation to indeterminate stresses. Problems are solved analytically, graphically, and by deformer. Prerequisites: course 131 and ability to read French or German. **3 s.h. (E)** PROFESSOR BIRD

ELECTRICAL ENGINEERING

PROFESSOR SEELEY; ASSISTANT PROFESSOR MEIER;
MESSRS. KRAYBILL AND VAIL

51-52. Survey of Electrical Engineering.—A general survey course covering the entire field of electrical engineering, intended to give the electrical engineering student a general preview of the subject as a whole. Required of Sophomores. Prerequisites: Freshman mathematics and concurrent physics. **6 s.h. (E)** ASSISTANT PROFESSOR MEIER

151. Theory of Direct Current Circuits.—A course consisting of lectures and recitations covering the fundamental theory of direct current circuits, and electric and magnetic fields. Prerequisites: course 51-52, Physics 57-58, Mathematics 59, 60. Mathematics 131 should be taken concurrently. **4 s.h. (E)** MR. VAIL

152. Theory of Alternating Current Circuits.—A course covering the algebra of vectors and complex quantities, nonsinusoidal waves, polyphase circuits, harmonics, and unbalanced three-phase circuits. Two-hour class, two-hour computation. Prerequisites: course 151, Mathematics 131. **3 s.h. (E)** MR. VAIL

153-154. Principles of Electrical Engineering.—An elementary course consisting of lectures, recitations, and laboratory covering the principles of direct and alternating current circuits, machinery, and their applications, designed especially for students in civil and mechanical engineering. This course includes one three-hour period in the electrical machinery laboratory per week. Prerequisite: Physics 57-58. **6 s.h. (E)** MESSRS. KRAYBILL AND VAIL

155. Direct Current Machinery.—A study of the principles which underlie the design and operation of all types of direct current machinery. Prerequisites: courses 151, 161-162. **2 s.h. (E)** ASSISTANT PROFESSOR MEIER

156. Electric Transportation.—Construction, operation, and uses of electric equipment in air, land, and sea transportation. Elective. Prerequisites: courses 151, 152, 161-162, or 153-154. **3 s.h. (E)** MR. KRAYBILL

158. Electric-Power Stations.—A course of lectures and recitations pertaining to the design, construction, and operation of electric power stations, both steam and hydraulic. Consideration of prime movers; generating machinery; switchboards; instruments, relays, and protective devices; operation and management; visits to neighboring plants. Prerequisites: courses 151, 152, and M.E. 103-104. **2 s.h. (E)** MR. VAIL

159. Electric-Power Transmission.—A course of lectures and recitations on the factors involved in the transmission of electrical energy over long distances and the use of hyperbolic functions in the solution of transmission line problems. Two-hour class, two-hour computation. Prerequisites: courses 151, 152. **3 s.h. (E)** PROFESSOR SEELEY

161-162. Electrical Circuits Laboratory.—This course provides experimental verification of the theory developed in courses 151 and 152, and should be taken concurrently. Three hours per week. **2 s.h. (E)** PROFESSOR SEELEY, MR. VAIL

163-164. Electrical Machinery Laboratory.—A study of the technique of testing electrical machines and a thorough analysis of their performance. Concurrent with courses 155, 258. **2 s.h. (E)** ASSISTANT PROFESSOR MEIER

165-166. Electrical Engineering Seminar.—Seniors are required to present reports and dissertations on material appearing in current engineering literature. Juniors may participate, but without credit. **2 s.h. (E)** MR. VAIL AND STAFF

173-174. Projects in Electrical Engineering.—Project work may be undertaken only by those who show special aptitude, or who have had previous experience on some problem. The consent of the Chairman of the Department must be obtained before registering. Seniors only, elective credit. **3-6 s.h. (E)** PROFESSOR SEELEY AND STAFF

202. Fundamentals of Radio.—An elementary course covering the principles underlying radio communication, including vacuum tubes, vacuum-tube circuits, oscillating circuits, antennae, radiation, transmission, and reception. Designed especially for civil and mechanical engineering students. Prerequisite: course 153-154. **3 s.h. (E)** MR. KRAYBILL

257-258. Alternating Current Machinery.—A course covering the theory underlying the design, construction, and operation of synchronous generators, transformers, polyphase induction and synchronous motors, single-phase motors of all types, converters and rectifiers. Prerequisites: courses 152, 155. **6 s.h. (E)** ASSISTANT PROFESSOR MEIER

261. Communication Engineering, Audio Frequency.—An advanced course on the principles underlying voice-frequency communication covering nature of speech and sound, wave propagation over metallic circuits, filters; resistance, inductance, capacitance at audio frequencies; transmission characteristics of communication equipment. Two-hour class, three-hour laboratory. Prerequisites: courses 151, 152, Mathematics 131. **3 s.h. (E)** PROFESSOR SEELEY, MR. KRAYBILL

262. Communication Engineering, Radio Frequency.—An advanced course on the principles underlying radio communication, covering vacuum tubes, vacuum-tube circuits, oscillating and coupled circuits, antennae, radiation, transmission, reception, and ultra-high frequency techniques. Three-hour class, three-hour laboratory. Prerequisite: course 261. **4 s.h. (E)**

PROFESSOR SEELEY, MR. KRAYBILL

263-264. Mathematical Analysis of Electrical Circuits.—An advanced course on the detailed mathematical analysis of certain circuits used in electrical engineering, with an introduction to the use of operational calculus as applied to electrical circuits. Elective. Prerequisites: courses 151, 152 and Mathematics 131. **6 s.h. (E)**

PROFESSOR SEELEY

MECHANICAL ENGINEERING

PROFESSOR WILBUR; ASSISTANT PROFESSORS HINTON, LEWIS, AND REED;
MESSRS. DURLAND, HOFFER, AND THEISS

51. Constructive Processes.—Recitation course covering fundamentals of metallurgy and general processes of casting, forging, and machining. Demonstrations of basic machining operations are made. Prerequisite: Chemistry 2. **3 s.h.** MR. THEISS

52. Kinetics-Mechanism.—For E.E. students. Motions of particles. Applications of Newton's Laws of Motion to motions of rigid bodies. Work, Energy, Impulse, and Momentum. Linkages, cams, gears, trains of mechanism. Three recitations, three laboratory hours. Prerequisites: G.E. 2, G.E. 57, Mathematics 59. Mathematics 60 concurrently. **4 s.h. (E)**

ASSISTANT PROFESSORS LEWIS, REED, AND MR. THEISS

54. Kinetics-Mechanism.—For M. E. students. Motions of particles. Applications of Newton's Laws of Motion to motions of rigid bodies; principles of work, energy, impulse, and momentum. Linkages, belts, ropes, chains, cams, gears, trains of mechanism. Three recitation hours, six laboratory hours. Prerequisites: G.E. 2, G.E. 57, and Mathematics 59. Mathematics 60 concurrently. **5 s.h. (E)**

ASSISTANT PROFESSORS LEWIS, REED, AND MR. THEISS

55. Steam Engineering.—Elementary principles of boilers, engines, turbines, and auxiliaries; properties of steam; fuels and combustion. Prerequisite: Physics 18. **2 s.h. (E)**

PROFESSOR WILBUR AND MR. DURLAND

101-102. Engineering Thermodynamics.—A study of thermodynamic properties and processes of gases, vapor and gas-vapor mixtures; cycles; efficiencies and performance of steam power plant equipment. Three recitations. Prerequisites: M.E. 55, Physics 58, and Math. 60. **6 s.h. (E)**

PROFESSOR WILBUR AND ASSISTANT PROFESSOR HINTON

103-104. Heat Power Engineering.—A short course in engineering thermodynamics combined with applications to power plant design. For civil and electrical engineering students. Prerequisites: Mathematics 60, M.E. 55. **6 s.h. (E)**

ASSISTANT PROFESSOR REED

105. Fluid Mechanics.—Fluid statics; kinematics of fluid flow; application of fluid dynamics theory to flow through orifices, weirs, and pipes; general principles of centrifugal pumps and turbines. Prerequisite: M.E. 54. **3 s.h. (E)**

PROFESSOR WILBUR AND MR. HOFFER

108. Aeronautics.—A general course applying fluid mechanics principles to airfoils, propellers, and the complete airplane. Prerequisite: M.E. 105. **3 s.h. (E)** MESSRS. HOFFER AND THEISS

113-114. Junior Mechanical Engineering Laboratory.—Open only to mechanical engineering students. First semester, three laboratory hours, devoted to experiments and reports in hydraulics, flue gas analyses, calorific value of fuels. Second semester, six laboratory hours, devoted to experiments and reports related to thermodynamics, such as boiler inspection, air compression, injectors, steam and fuel calorimetry. Prerequisite: M.E. 55. M.E. 101-102 concurrently. **3 s.h. (E)** ASSISTANT PROFESSOR HINTON

115-116. Junior Mechanical Engineering Laboratory.—For C. E. and E. E. students who are taking M.E. 103-104. Experiments and reports on measuring instruments and apparatus, flow of air, steam and water, economy of boilers, steam and internal combustion engines. Three laboratory hours. **2 s.h. (E)** ASSISTANT PROFESSOR HINTON

150-151. Machine Design.—Application of principles of Strength of Materials, Constructive Processes, and Engineering Drawing to design of riveted and welded connections, pressure vessels, and machine elements, followed by design of at least one complete machine. Two recitations, three laboratory hours. Prerequisites: G.E. 107, M.E. 51, M.E. 54. **6 s.h. (E)** ASSISTANT PROFESSOR REED AND MR. DURLAND

153. Heating and Air Conditioning.—Fundamentals of heating and air conditioning, determination of heat losses and gains, design of steam, hot water and warm air heating and air conditioning systems for homes, offices and industrial buildings. Prerequisites: M.E. 102 or M.E. 104. M.E. 159 concurrently. **3 s.h. (E)** ASSISTANT PROFESSOR REED AND MR. DURLAND

154. Refrigeration Engineering.—Fundamentals of refrigeration theory and design, with applications in industry. Prerequisites: M.E. 102 or M.E. 104. M.E. 160 concurrently. **3 s.h. (E)** ASSISTANT PROFESSOR REED

155. Internal Combustion Engines.—Principal cycles; fuels and fuel mixtures; effect of real mixtures on theoretical cycles; combustion; carburetion and fuel injection. Thermodynamic analysis of engine performance. Modern developments in the internal combustion engine. Three recitations. Prerequisite: M.E. 101-102. **3 s.h. (E)** PROFESSOR WILBUR AND ASSISTANT PROFESSOR HINTON

156. Airplane Engines.—A study of the qualities desirable in an airplane engine and design calculations. These calculations include such items as indicator card, inertia and gas loads, crankshaft vibration, and fin area required for proper cooling. Three recitations. Prerequisite: M.E. 155. **3 s.h. (E)** MR. HOFFER

158. Industrial Engineering.—A study of the industrial growth and present tendencies of productive industries as concerns the engineer. Specific topics treated are: plant location; organization; production and cost controls, wage payment, etc. Seniors only. Three recitations. **3 s.h. (E)** MR. THEISS

159. Senior Mechanical Engineering Laboratory.—Tests and reports on performance and economy of internal combustion engines, steam engines and turbines; heat transfer, radiator tests, and heat balances. Required of all seniors in mechanical engineering. Six laboratory hours. Prerequisite: M.E. 114. M.E. 153 concurrently. **2 s.h. (E)** ASSISTANT PROFESSOR HINTON

160. Senior Mechanical Engineering Laboratory.—Required of all Mechanical Option seniors. Tests and reports on boiler, engine, turbine, condenser and accessories; heat transfer; refrigeration equipment. Six laboratory hours. Prerequisite: M.E. 159. M.E. 154, 162 concurrently. **2 s.h.** (E)

ASSISTANT PROFESSOR HINTON

162. Power Plant Calculations.—Study of economic and engineering factors in developing steam power plants. Consideration of the performance of boilers, prime movers, condensers and various auxiliaries in various groupings as they affect the plant heat balance. Three recitations. Prerequisites: M.E. 101-102 or 103-104. **3 s.h.** (E)

PROFESSOR WILBUR

171-172. Airplane Design.—The design of an airplane to accomplish a specific purpose, this design to include three-view drawing, determination of air and inertia loads, and stress analysis as proof of structure. All work must be in a form acceptable to the Civil Aeronautics Board. Three laboratory periods. Prerequisites: M.E. 150, M.E. 108. M.E. 151 concurrently. **6 s.h.** (E)

MR. HOFFER

173-174. Aerodynamics.—A review of the physics of air leading into a study of airflow around aerodynamical shapes, this study progressing into an analysis of air forces that terminates in performance estimation. Two recitations. Prerequisites: M.E. 105, M.E. 108. **4 s.h.** (E)

MR. HOFFER

176. Aeronautics Laboratory.—This course includes performance tests on airplane engines, installation problems and operational characteristics of aircraft instruments, and tests of aerodynamical shapes in the wind tunnel. Two laboratory periods. M.E. 174 concurrently. **2 s.h.** (E)

MR. HOFFER

197-198. Projects in Mechanical Engineering.—This course may be assigned by the Chairman of the Department to certain Seniors who express a desire for such work and who have shown aptitude for research in one distinct field of mechanical engineering. Elective credit either semester. **3-6 s.h.** (E)

PROFESSOR WILBUR AND STAFF

199-200. Seminar.—Students are required to make reports and to talk on current engineering literature or on such topics as may be assigned. **2 s.h.** (E)

STAFF

GENERAL REGULATIONS

TRINITY COLLEGE, WOMAN'S COLLEGE, AND COLLEGE OF ENGINEERING

Under the accelerated wartime program and in keeping with the Navy schedule, Trinity College and the College of Engineering will be operated on semesters of sixteen weeks each, the first semester beginning on or about July 1, the second semester on or about November 1, and the third semester on or about March 1.

The calendar of the Woman's College will be announced at a later date, as soon as a definite program in conformity with the changed war-time situation can be worked out.

It is important that all students be present on the first day of the session, for those who are late incur the penalties described in this catalogue under the topic "Admission to College" and below under the subtopic "Course Cards." Students who enter after the beginning of the semester are marked absent in the work they have missed in the courses to which they are admitted, and these absences carry the same penalty as do other absences from the courses.

MATRICULATION, REGISTRATION, AND ENROLLMENT

All students must appear before the Committee on Admission and obtain cards for admission. Cards of admission must be presented at the Treasurer's Office at the time of matriculation. All students, both old and new, are required to matriculate at the beginning of each semester and to obtain from the Treasurer a certificate of matriculation which serves also as an enrollment card. Students matriculating in either semester at a date later than that prescribed in this catalogue shall pay to the Treasurer a penalty of \$5.00 for late registration. Students whose course cards have been approved in the spring in the manner provided below are given an opportunity during the summer to matriculate by mail for the first semester. No student without a matriculation card is admitted to any class.

COURSE CARDS

Members of the Freshman, Sophomore, and Junior classes are required to submit to the Dean, not later than the date of spring registration, cards showing their selection of courses for the following year. These cards must be approved by the Dean. After being approved, the cards must be filed for permanent record in the Dean's Office. Students in the

Freshman, Sophomore, and Junior classes who do not select their courses for the following year at the time appointed must pay a fee of \$5.00 to the Treasurer of the University before their course cards may be approved in the fall. The same regulations apply for the second semester. Students whose course cards have been approved but who, for reasons not arising within the University, desire to make a change in the card approved are required to pay to the Treasurer a fee of \$1.00 for each change made. No course may be elected later than two weeks after the opening of the semester.

If a student drops a course without permission from the Dean of the College, the grade for that course shall be recorded as "F."

If a student drops with permission a course in which he is failing at that time, the grade for that course shall be recorded as "F" unless, in the judgment of the Dean, circumstances do not justify this penalty.

EXAMINATIONS

Midyear and final examinations are held in all subjects in January and May, respectively. The examination record combined with the record made in class constitutes the student's final grade.

REGULATIONS REGARDING GRADES

The following regulations have been adopted by the Faculty:

Grades shall be reported so as to indicate one of four things:

(1) *Passed.* A grade "A," "B," "C," or "D" shall indicate that a student has passed a course. The work of this group of students shall be graded according to the following system: "A": exceptional; "B": superior; "C": medium; "D": inferior.

(2) *Failed.* A grade of "F" shall indicate that the student has failed in the course and that in order to receive credit for the course he shall be obliged to take the work again in class.

(3) *Incomplete.* (a) A grade of "I" may be reported by the instructor if for any reason he is unable to report the final grade at the regular time. (b) All students with incomplete grades who have not satisfied the requirements of the departments concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "I" was incurred are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit.

(4) *Absent from Final Examination.* (a) The grade "X" shall indicate that the student was absent from the final examination. (b) A student absent from examination and marked "X," if his absence has been excused by the Dean of the College, may receive an examination on the payment of a fee of \$3.00 to the Treasurer of the University. The department concerned shall arrange for the examination in cases where absences are incurred and excused and the grade reported in these cases shall be that earned by the student. (c) All students (with "X" grades)

who have not satisfied the requirements of the department concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "X" was incurred, are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit. (d) If a student's absence from an examination is not excused by the Dean of the College, his grade for the course concerned shall be recorded as "F."

EXPLANATION OF QUALITY-POINT SYSTEM

The requirements for the degree are reckoned not only in semester hours but also in quality-points. Quality-points are the points earned by a student according to his grades, for each semester hour of credit. The grade "A" gives three quality-points for each semester hour of credit; the grade "B," two quality-points; the grade "C," one quality-point. The grade "D" carries no credit in quality-points. For the grade "F" one quality-point is deducted for each semester hour of failure. Credit for 120 quality-points, exclusive of those earned in physical education, is required for the degree of Bachelor of Arts or Bachelor of Science in all groups.

NUMBER OF HOURS OF CLASSWORK

Without special permission of the Dean, no undergraduate student is allowed to take less than fourteen semester hours of classwork a week.

The normal maximum credit work of an undergraduate student in the colleges of arts and sciences is fifteen, or seventeen semester hours (if one course is an eight semester hour science), and the permissible maximum is nineteen semester hours. This maximum, however, cannot be taken by a student who has not earned at least a "C" average on his work of the preceding semester.

CLASS STANDING

For a student to rank as a Sophomore, he must have to his credit twenty-four semester hours with an average grade of "C"; as a Junior, fifty-four semester hours with an average grade of "C"; as a Senior, ninety semester hours with an average grade of "C."

SENIOR WORK

A student of the Senior Class irrespective of his average grade in preceding years, must, in order to be eligible for graduation, complete the work of his Senior year with an average grade of "C" or better.

EXCLUSION FOR FAILURE

A student of the Freshman Class entering college for the first time is not permitted to remain in the University in the second semester unless he passes as much as six semester hours of the work of the first semester: any other student is not permitted to remain in the University in the sec-

ond semester unless he passes as much as nine semester hours of work in the first semester.

A student of the Freshman Class is not permitted to re-enter in September, nor to enter the Summer Session, if he did not pass at least six semester hours of work in the second semester of the previous year and a total of eighteen semester hours of work for the entire year; any other student is not permitted to re-enter in September, nor to enter the Summer Session, if he did not pass at least nine semester hours of work in the second semester of the previous year and a total of eighteen semester hours of work for the entire year.

STUDENTS TRANSFERRING FROM OTHER INSTITUTIONS

Students whose advanced credits from another institution are accepted by the University will be given an average grade of "C" on the semester hours with which they are credited, provided their grades warrant it.

DEFICIENCIES IN COMPOSITION

The following regulations have been adopted by the Faculty:

1. Any Freshman who is found by the English Department to be unable to handle satisfactorily the work of composition in English 1-2 is required to take special work until he is able to do satisfactorily the regular work of English 1-2.

2. No student who has failed in English 1-2 or 53 is permitted to become a special student without continuing his work in composition until he has made up his deficiency in this work.

3. Whenever the work of a student in any subject is satisfactory to an instructor except for gross errors in English, the instructor concerned may hand in a provisional grade only. This grade may not be recorded in the college files until the student shall have improved his work in composition to the satisfaction of the English Department. A list of such provisional grades, along with evidence of deficiencies, shall be furnished the English Department each term by the officers in charge of the grades, and a report shall be made by this department when the deficiencies shall have been removed.

4. All instructors are requested to advise their students each semester concerning these regulations.

CANDIDATES FOR ACADEMIC DEGREES

1. A tentative list of all candidates for the Bachelor's degree shall be prepared under the supervision of the Dean of the College as early in the college year as possible, shall be read by him to the Faculty at its first regular meeting in October, shall be furnished in copy to each department of instruction for information and reference, and also shall be posted in copy on the official bulletin board of the University for the information of the students concerned.

2. Copies of the second such tentative list likewise shall be prepared, read, and distributed by April 15.

3. A final list of all candidates for the degree shall be read by the Dean to the Faculty at its first regular meeting in May and shall be adopted by the Faculty as the final list. After the adoption of this list no name may be added to it.

A student who completes in a summer session the work required by the University for the Bachelor's degree will be granted the degree at the end of that session.

THE DEAN'S LIST

Students of the Junior and Senior classes who, at the midyear or final examinations, have attained in Duke University an average of "B" in their courses of the half-year just closed and who have not received a grade of "F" in any course may be placed on the Dean's List for the succeeding half-year. The privilege of the Dean's List is also extended to eligible members of the Sophomore Class during their second semester.

The name of a student may be withdrawn from the List at any time by the Dean, if the student fails to maintain a satisfactory standard of scholarship and conduct.

Students whose names are on the Dean's List will not be subject to the general regulations of the University governing class attendance. This privilege, however, may not be exercised in courses primarily open to Freshmen nor in classes in Physical Education. Furthermore, such students are required to be present at the meeting of classes immediately before and after any holiday, unless they are excused by the Dean of the College.

If for any reason a student is removed from the Dean's List during, or at the close of the second semester of his Junior year, his name may not be reinstated on the List.

CLASS ATTENDANCE AND ABSENCES

Regular and punctual attendance in classwork is required of all students not on the Dean's List.

The purpose of the following rules is to provide for those absences made necessary by illness and all other emergencies. Students should reserve these absences for such occasions.

If a student incurs during a semester more than five absences from a three-hours course of study he is carrying (the number of absences allowed in any other course being proportionate to the credit hours the course carries), he shall suffer the loss of quality-points as follows: for the first absence in excess of the number allowed, one; for the second, two; for each absence thereafter, three. Absences due to prolonged illness or to authorized representation of the University in a student activity are excused without effect on grades. However, if other absences, unless unavoidable, are incurred after such excused absences, they will cause the loss of quality-points in accordance with the penalty as defined above.

If the total number of a student's absence in all courses for which he is registered during a single semester amounts to one more than the total number allowed, except under the provisions of the preceding paragraph, his total credit for that semester is reduced by one hour and for each additional five absences a reduction of one hour of credit is made.

As soon as the number of absences in a single semester course, exclusive of the absences due to prolonged illness and authorized representation of the University, exceeds three times the number of credit hours the course carries, registration in that course is canceled.

A student is counted absent from meetings of a class held before he matriculates at the beginning of a semester.

All consecutive absences from the University, before or after any holiday, shall be counted as triple absences.

In addition, a student for excess absences may, at the discretion of the Dean, be put on probation or dropped from the College.

Weekly reports of all absences of students from class are made by each instructor and are filed in the office of the Dean. A permanent record of the attendance of each student is kept and becomes a part of his general college record.

The instructor has no authority to excuse a student from class attendance, and it is his duty to report all absences, for whatever cause, to the Dean's Office at the end of each week.

ASSEMBLY AND CLASS MEETINGS

TRINITY COLLEGE AND COLLEGE OF ENGINEERING

There shall be held on the first Thursday of each month of the college year in Page Auditorium, from 12:30 P.M. to 12:50 P.M., an assembly of all Seniors, Juniors, and Sophomores of Trinity College, and at this period of the day separate meetings of these three groups on the second, third, and fourth Thursdays of each month. There shall be a class meeting of the Freshman Class on each Saturday of every month at the time named above. The Engineering assemblies are held on the first Wednesday of each month from 12:30 P.M. to 12:50 P.M. in 104 Asbury.

Attendance upon all of these meetings is compulsory for all students involved. Any student incurring in a semester a total of more than four absences from them automatically excludes himself from college.

WOMAN'S COLLEGE

A weekly assembly is held for all students in the Woman's College, and an additional assembly for all Freshmen and transfer Sophomores. A meeting of the Freshman Class is held each week, and other classes meet at appointed times.

Attendance upon all of these meetings is compulsory for all students involved.

SCHOLASTIC REGULATIONS FOR ATHLETIC AND OTHER ORGANIZATIONS

The following regulations have been adopted by the Faculty :

1. Any student who receives less than a passing grade on more than six hours of his required work of the preceding term shall be ineligible to represent the University in any athletic contest, concert, or other public event.

2. Members of athletic teams or other student groups engaging in public representation of the University are expected to be carrying satisfactorily their current work. A student may be barred from participation in such representation if, in the opinion of the Dean, he is not doing satisfactorily his current work.

Duke University is a member of the Southern (Athletic) Conference and observes the following scholastic requirement of that Conference :

"The scholastic requirement for eligibility to participate in varsity intercollegiate sports shall be the passing by the applicant of a minimum of twenty-four semester hours or thirty-six quarter-hours of the work of his immediately preceding year in college; with the proviso that graduate students and students in the schools of law and medicine become scholastically eligible on the certificate of the deans of their schools."

THE ATHLETIC COUNCIL

The Board of Trustees, at its regular annual meeting in June, 1907, created an Athletic Council to be composed of eleven members appointed annually: three from the Faculty, to be appointed by the President of the University; four from the alumni, elected by the Alumni Association; and four from the undergraduates, one from each of the four classes, elected by the members of each class.

The three members of the Athletic Committee of the Faculty are the Faculty representatives in the Athletic Council. This committee alone has the responsibility of enforcing the scholastic and athletic requirements of the University for student participation in intercollegiate sports. The athletic eligibility rules are those of the Southern Conference; the scholarship requirements are printed elsewhere in this catalogue.

The Executive Committee of the Athletic Council is composed of the Chairman of the Faculty Committee on Athletics, and one other Faculty member and one alumni member of the Council. The Athletic Council on recommendations of its Executive Committee arranges athletic schedules, awards insignia of merit earned by members of athletic teams, and strives to promote among students of the University a proper and helpful athletic spirit; to encourage good fellowship in such sports both within the student body and toward student bodies of other educational institutions; through athletic sports to help cultivate a high sense of honor, earnest, unselfish effort, and manly conduct. The Executive Committee of the Council recommends to the President of the University persons to serve

as Graduate Manager of Athletics and as coaches in the various sports. The election of such persons, however, rests solely with the Trustees of the University or the Executive Committee of the University, on recommendation of the President of the University.

All funds arising from athletics are handled entirely by the Treasurer of the University. An audit of the receipts and disbursements of these funds is made annually by the official auditors of the University.

CONDUCT OF STUDENTS

The University expects of its students loyal and hearty co-operation in developing and maintaining high standards of conduct as well as of scholarship. The University therefore reserves the right, and matriculation by the student is a concession of this right, to ask the withdrawal of any student whose conduct at any time is not satisfactory to the University, even though no specific charge be made against the student.

ADMINISTRATION OF DISCIPLINE

General oversight of the conduct of students and the administering of discipline are vested in the Dean of the University. The duty of immediate supervision, guidance, and control of the students in each college is entrusted to the Dean of that College. However, through the expressed willingness of the students of the University to assume the responsibility of maintaining high standards of morals and honor at all times the student body has properly become in a great degree self-governing in this respect. Two councils, one of men and the other of women, each composed of carefully chosen and duly elected representatives of the student body, exercise the authority granted the students to investigate all cases of misconduct, as well as all other cases of violation of proper student standards and traditions and to make recommendations of penalties based on their findings. Occasions seldom occur where such recommendations are not accepted and enforced.

The student councils have been of great help to the administrative authorities of the University. They not merely exercise police authority for restraining and punishing evildoers but also exert a guiding and stimulating influence for the promotion of high ideals of conduct and student relationships.

REGULATIONS REGARDING PUBLIC LECTURES AND OTHER PUBLIC OCCASIONS

All public lectures or addresses and other public events that are given under the auspices of the University or of any organization in any way connected with the University are under the supervision of the Faculty Council on Public Lectures. All dates and programs must be approved by this council except in instances where such occasions have been placed under the supervision of the Director of Public Relations.

(1) The Council on Public Lectures shall provide each year an official calendar.

(2) All public occasions held on either the East or West University Campus are listed for the Weekly Calendar of Duke University in the office of the Department of Public Relations and Alumni Affairs in the West Campus Union. This calendar appears each Saturday, and such notices must be received by 10:00 A.M. on the Friday preceding.

Social or other events held in the West Campus Union must be listed in the office of the Director of Public Relations and Alumni Affairs, and permission must be secured for such social use of the public rooms in the building.

REPORTS

Reports of the class attendance records and of the proficiency of each student in studies are sent to his parents or guardians after the examinations at the end of each semester. For Freshmen, mid-semester reports are made.

HEALTH AND PHYSICAL EDUCATION

The program of Health and Physical Education in Duke University has four distinct phases, as follows:

1. Student Health.
2. Physical Instruction.
3. Intramural Sports.
4. Intercollegiate Athletics.

MEDICAL CARE

With the exceptions noted below, full medical and surgical care is furnished to all regularly matriculated students of the University, during both the college year and the summer quarter, at no additional cost to them beyond the medical fee of \$5.00 payable each semester or the medical fee charged each student of the summer quarter. This service is under the direction of the University Physician with the co-operation of the Staffs of the Infirmarys (one on each campus) and the University Hospital. It includes hospitalization (limited to thirty days), medical and surgical care, drugs, dressings, X-ray work, and ward, but not special, nursing. A charge for board is made at the same rate as in the University dining halls, and student meal tickets for these halls are accepted in payment of this board. Refraction of eyes, treatment of teeth and of all chronic and pre-existing conditions, such as diseased tonsils, hernias, elective surgery, chronic skin conditions, endocrine disturbances, etc., or accidents or illnesses occurring during vacations or while off the campus, are not included in this service. The cost of any necessary braces and orthopaedic appliances, as well as of special nursing, must be borne by the student.

No illness is treated in dormitory or other rooms occupied by students. Students needing treatment for minor medical or surgical conditions have the attention of the Director at his two daily visits to the Infirmarys, which have day and night nurses on duty. Students developing serious

conditions are promptly transferred from the Infirmaries to the University Hospital, where they come under the care of the Staff of the Hospital.

A questionnaire is sent out from the office of the Director of Student Health in the spring to all prospective students, advising certain medical and surgical care by their home physician or surgeon, such as the giving of typhoid or smallpox vaccine, removal of diseased tonsils, correction of errors of refraction, repair of a hernia, or removal of a chronic appendix. Important time is frequently lost in correcting these conditions after entrance into college, and the cost for this work must be borne by the student.

When the student comes to the University, he is given a careful physical examination. Any physical defects are recorded along with the record of the questionnaire from the family physician. All students are requested to be successfully vaccinated against smallpox before admission to the University. It is urgently advised that they take typhoid vaccine if they have not done so within three years.

PHYSICAL EDUCATION AND INTERCOLLEGIATE SPORTS TRINITY COLLEGE AND THE COLLEGE OF ENGINEERING

The University requires all students to engage in some type of physical activity for two years or four full semesters. This work consists of participation in natural, practical, physical activity for at least three one-hour periods each week. A credit of six hours, with an average grade of "C," is required in physical education for graduation. The aims of this work are to improve body control and strength through big muscle activities, to stimulate the development of mental and physical alertness, to establish habits of regular exercise, and to give training and experience in various kinds of recreational sports that will be indulged in after the student graduates from the University.

Intramural sports are fostered and promoted in all lines of athletic activity. Meets, tournaments, and leagues are seasonally organized in the different sports. All students in the University are eligible to enjoy the intramural privileges, provided they comply with the intramural rulings. Participation in these activities is entirely voluntary, but is very popular because it provides an opportunity for every man to enter into competition and recreation in those sports which he enjoys most.

The intercollegiate athletic program is controlled entirely by the University and consists of the organization and training of representative Freshman and varsity teams in the following sports: football, basketball, baseball, track, cross country, swimming, lacrosse, wrestling, tennis, and golf.

WOMAN'S COLLEGE

The Physical Education Department aims to give all students an appreciation of the value of activity for general physical well-being, skill in one or more activities which can be enjoyed as recreation after college, a well-developed and well-coordinated body, and a knowledge of good posture and efficient handling of the body in everyday activities.

To this end, students are allowed to choose from a large number of activities including outdoor individual, dual, and team sports, several types of dancing, swimming, and gymnastics. All Freshmen are expected to take body mechanics in the winter, and each student must elect a rhythm, one team sport, and two individual or dual sports sometime during the three years of required physical education.

A medical and physical examination is required of each student upon entrance, and follow-up examinations are used as a basis for determining the type of physical exercise a student should take and any corrective measures needed. Special remedial and corrective classes as well as rest periods are provided for students who cannot engage in the usual sports and activities.

In addition to the required work in physical education the Dance Club, the Swimming Club, and the Woman's Athletic Association give opportunities for all students to take part in the types of intramural activities most interesting to them. The swimming pool, tennis courts, and other athletic equipment are available to all students for use at specified times.

PHYSICAL EDUCATION AND RECREATION FEES

In order to meet certain hygienic aspects of physical education and intramural athletics the University has made available for all students, in addition to facilities for physical activity and recreation, the following equipment and services:

1. (a) Men. A regulation uniform: shirt, trunks, supporter, socks, sweat clothes, and towel.
(b) Women. Gym suit, dance costume, bathing suit, warm-up suit.
2. Provision for locker and handling of uniform.
3. The laundering of uniform and towel as needed.

The privileges and services listed above are available to all students upon payment of the Recreation Facilities and Equipment Fee, so long as they comply with rules and regulations established for the care and handling of same. Students enrolled in required physical education courses have been assessed an additional fee (see Laboratory and Materials Fees). This fee is necessary in order to make more equitable the maintenance of locker system and usage of uniform.

PUBLICATIONS COUNCIL

The student publications of the University are under the control of a council that was established in 1924 and reorganized by the Executive Committee of the University in 1935, and is constituted as follows: three (3) members from the University Staff appointed by the President of the University; two (2) members from the alumni appointed by the President of the University; six (6) men from the Junior and Senior classes, elected by the students in Trinity College; four (4) women from the Junior and Senior classes, elected by the students in the Woman's College;

and three (3) editors and three (3) managers of student publications, ex officio members without any voting power. With the advice of the Council, the President of the University appoints each year for each publication an advisory committee of three (3) members from the Staff of the University.

No student publication can be started at the University without the approval of the Council.

RELIGIOUS EXERCISES

Chapel exercises are conducted on Tuesday and Friday throughout the academic year at 12:30 p.m. on the campus for men. Preaching services are held on Sunday at 11:00 a.m. in the University Chapel. Organ recitals are given on Sunday afternoons. In the summer carillon and organ recitals are given twice a week.

APPOINTMENTS OFFICE

The University maintains an Appointments Office whose services are extended to all students and alumni without charge. This office has two divisions, commercial (general placement) and educational (teacher placement). Students and alumni are encouraged to register with the office in order to make available in one center information respecting their various qualifications for the employment they seek.

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	5.00
*Recreation Facilities and Equipment Fee, per semester.....	1.00
Damage Fee, payable annually at the time of first registration.....	1.00
Medical Fee, per semester.....	5.00
Library Fee, per semester.....	5.00
Commencement Fee, payable annually at the beginning of the second semester	3.00
Publication Fee:	
First semester	3.00
Second semester	2.50
Diploma Fee, payable by candidates for degrees, refunded if the diploma is not awarded.....	5.00

LABORATORY AND MATERIALS FEES

Botany 1, 2, 52, 55, 101, 104, 202, 204, 221, 255, and 256.....	\$ 2.50
Botany 51, 103, 151, 156, 203, 216, and 252.....	5.00
Forest Botany 224 and 253.....	2.50
**Chemistry 1, 2, 61, 70, 131, 132, 153, 154, 215, 216, 261, and 262.....	7.00
Chemistry 151, 152, 155, 241, 242, 253, and 254.....	8.50
Education 1, 58, 68, and 101.....	1.00
Education 112, 115, 116, 122, and 131.....	7.50
Education 208 (for testing materials in lieu of text).....	2.50
Engineering	
Civil S60—See <i>Summer Session Bulletin</i> .	
Civil 61, 63, 64, 112, 118, 123, 124, 135, 143, 144, and 240	2.00
Electrical 153, 154, 161, 162, 163, 164, 261, 262.....	2.00
General 109	2.00
Mechanical 113, 114, 159, 160, 176.....	2.50
Forest Botany 224 and 253.....	2.50
Forestry 224, 253, 254, 259, 260, 264, 357a, and 358a.....	2.50
Forestry 261, 351, 352, 354, 357b, 358b.....	\$2.50 to \$5.00
Geology 51, 52, 53, 101, 151, and 152.....	2.50
Geology 102	5.00
Field trip in Geology 51-52 and 101-102 at cost.	

* See Physical Education and Intercollegiate Sports

** When the laboratory in Chemistry 153-154 supplements that of another course and is taken simultaneously with such course, no fee is charged with Chemistry 153-154.

History 91 and 92.....	3.00
No texts are required in these courses, but a fee of \$3.00 is charged, and books are placed in the Library for the use of those taking the courses. This fee is payable at the beginning of the semester and is collected through the office of the Treasurer of the University.	
*Physical Education, per semester, for men.....	1.50
*Physical Education, per semester, for women.....	1.00
Physics 1 and 2.....	2.00
Physics 51, 52, 57, 58, 61, 62, 70, 103, 104, 108, 215, 216, 217, 218, and 219	3.00
Physics 106	5.00
Zoology 1, 2, 92, 161, 204, 219, 220, 222, 274, 276, 306, 324, 343, 353, and 354	3.00
Zoology 53, 151, 156, 224, 229, 303, and 321.....	5.00

TEACHERS TAKING COLLEGE COURSES

Teachers in near-by schools, taking one or two courses, are required to pay a registration fee of \$5.00 each semester and a tuition fee of \$3.00 per semester hour of credit in addition to any regular laboratory fee or other fees collected from those students taking the courses.

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room-rent, and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$574.50 to \$639.50. Books and laundry are not included in these figures.

LIVING ACCOMMODATIONS FOR MEN

Single room, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus	\$75.00
Double room, per student, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus.....	62.50
Double room, per student, per semester—Southgate Hall, East Campus...	50.00
Double room, per student, per semester—Epworth Hall, East Campus...	30.00

There are three groups of resident houses designated as Craven, Crowell, and Kilgo Quadrangles on the West Campus. The rooms are single, double, or arranged in suites of two rooms for four students. There are thirty-one houses within the three groups designated by the letters of the alphabet.

There are also two dormitories on the East Campus used for men—Southgate and Epworth halls. All these rooms are equipped for two persons. Students in the College of Engineering are expected to live in either Southgate or Epworth, which are located near the Engineering College. Room reservation fees and applications for room assignments should be addressed to the Director in the Business Division, East Campus.

* See Physical Education and Intercollegiate Sports.

Kilgo Quadrangle (eight houses) has been set aside as a Freshman dormitory. A portion of Southgate Hall has also been reserved for Freshmen studying engineering. All Freshmen, except those living at home with their parents, are required to room in one of these dormitories.

Rooms are reserved only for applicants who have been officially accepted by the University, upon application to the Director in the Business Division, Duke Station, Durham, North Carolina. A reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the Business Division is required. This reservation fee is deducted from the room charges at the time of registration for the fall semester. An applicant who is accepted and has a room reserved is not entitled to a refund of the reservation fee unless the request is made on or before August 1.

A resident student in order to retain his room for the succeeding year is requested to make application accompanied by a reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the Business Division. All rooms which have not been reserved on or before May 15 will be considered vacant for the succeeding year and will be reserved in the order in which applications are made.

Rooms are rented for no shorter period than one semester, or in the case of a medical student, one quarter, unless by special arrangement with the Director in the Business Division. A period of occupancy other than a semester or quarter and without special arrangement will be charged at a minimum rate of \$1.00 each day.

The exchange of rooms may be arranged for at the Housing Bureau within fifteen (15) days after the official opening of the semester or quarter of the school term. A charge of two dollars (\$2.00) will be made for the exchange of rooms after the periods allowed for such exchange. Persons exchanging rooms without the approval of the Housing Bureau will be subject to charges for both rooms.

The authorities of Duke University do not assume the responsibility of selecting and assigning roommates, though they will gladly render any assistance possible.

DORMITORY REGULATIONS

Duke University is particularly eager that its students shall have the best dormitory life to be found in any institution, and to encourage this has provided buildings and equipment which are not surpassed. The Institution asks and believes that in return each student will respond to this effort by arranging his personal belongings in an orderly manner, and by caring for the buildings and furniture as he would do in the home of a friend. The following regulations are offered as a guide and a reminder that care is desired.

1. The student will be held responsible for any damage to the room or furnishings during the rental period, and will pay for all damages caused by his neglect, misuse or abuse of any part of the University property. Inspections will be made throughout the college year to observe the condition of the rooms and to advise students concerning the care of rooms, if necessary.

2. Maids will prepare the rooms daily except Sunday, the service beginning promptly at 8:00 o'clock A.M. and ceasing at 1:00 o'clock P.M., thereby giving the student complete use of his room during the afternoon.

3. University furniture or furnishings must not be removed from the room in which they have been placed by the University.

4. Electric wiring, door locks, window screens, steam or water lines should not be changed or added, since the University supervises and makes such changes as are necessary and advisable.

5. Pictures, pennants, clippings should be hung from the picture moulding and not tacked or pasted on walls or woodwork.

6. Each student is expected to supply necessary sheets, blankets, pillows, rugs, and curtains. Furniture, beds and mattresses (39" x 74"), tables, chairs, dressers, mirrors, and window shades are furnished by the University.

7. All trunks and heavy luggage will be stored in the trunk rooms. Janitors will remove the trunks from the hallways to the storage rooms when they are unpacked.

8. The exchange of rooms or keys should be arranged for at the office. Any exchanges made otherwise will subject the participant to charges for both rooms.

9. The use or possession of intoxicating liquors, wines or beer, and gambling in any manner in any of the buildings or on the grounds of Duke University are forbidden.

10. Animals shall not be kept in the dormitories.

11. Women are permitted in the dormitories only when accompanied by the University Hostess.

12. The use of dormitory rooms as a sales office or storeroom, or the solicitation for sales or gifts within the buildings or on the grounds is prohibited except by appointees of the University.

LIVING ACCOMMODATIONS FOR WOMEN

The Woman's College campus, known as the East Campus, is situated about a mile and a quarter from the West Campus, with a private road connecting the two.

Houses—The seven residence houses on the East Campus are Alspaugh, Aycock, Bassett, Joseph G. Brown, Giles, Jarvis, and Pegram. A plan of the houses will be sent upon request to the Director in the Business Division, College Station, Durham, North Carolina. Each house has a resident head of house and paging system for announcing visitors.

Rooms—All questions concerning rooms should be addressed to the Director in the Business Division. The students' rooms are single, double, or arranged in suites of two rooms for two students.

Room Furnishings—Rooms are supplied with all necessary furniture. Curtains, towels, sheets, pillow-slips, blankets, and heavy bed covering, etc. are furnished by the students. Sash curtains of a standard type are required and can be bought at the College Store. Draperies, small scatter rugs, and study lamps can be brought from home or bought at reasonable prices from the College Store or in the city. Large rugs and heavy overstuffed furniture may not be brought into the dormitories.

Room Rent—

Single room, per student, per semester, Giles, Alspaugh, Pegram,	
Bassett, Brown and Jarvis Houses.....	\$87.50
Double room, per student, per semester, Giles, Alspaugh, Pegram,	
Bassett, Brown and Jarvis Houses.....	62.50
Single room, per student, per semester, Aycock House.....	75.00
Double room, per student, per semester, Aycock House.....	50.00

Room Reservation—A room reservation fee of \$25.00 is required before any room reservation can be made for new or returning students. This fee is deducted from the room charges at the time of registration for the fall semester. Applicants for admission are requested not to send the room reservation fee until notified of acceptance. Those who make application and are accepted will not be entitled to have the reservation fee refunded unless the request is made on or before July 15. Those who are accepted after July 15 have ten days in which to pay their room reservation fee. This fee is not refundable.

No room assignments will be made for new students until they have been officially accepted by the Council on Admissions. The room reservation fee of \$25.00 is payable immediately upon notification of acceptance by the Council on Admissions. If room reservation fee has not been received within ten days after notification of acceptance by the Council on Admissions, the admission will be canceled.

Details relative to the signing of rooms by resident students will be posted on dormitory bulletin boards about April 15. Resident students have the right to retain their rooms for the ensuing year or to sign for new ones in the order of their class beginning with the Seniors. The new students are then assigned the remaining rooms, and in so far as possible, the type of room which they prefer. The University is responsible for the fall semester only for securing roommates for new students desiring double rooms. After a student has been a resident for one semester, the responsibility for securing and keeping a roommate is transferred to the student. If a student occupying a double room does not have a roommate by the date posted, approximately two weeks after the beginning of the semester, she will be required to pay double rent. The University is glad to co-operate in assisting the student to find a roommate.

When a room is once engaged by a student no change will be permitted except with the consent of the Director in the Business Division. Leaving one room and occupying another without permission is strictly against the rule and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. Rooms are rented for no shorter period than one semester. When a student leaves school before the end of the semester, the charge is \$1.00 a day unless the total charge on this basis is in excess of the room rent for the semester. All undergraduates who are not residents of Durham are required to live in the dormitories unless they are living with their parents or near-relatives. An undergraduate woman who is over twenty-one years of age and who wishes to live in the city may make special arrangements with the Dean. Provision is made for graduate students to live on the campus.

No visitors are permitted in any sections of the dormitories which are occupied by women except by permission of the office of the Head of the House. Merchandising, solicitation, or advertising of any type is strictly forbidden within the dormitories.

BOARDING ACCOMMODATIONS

Trinity College, West Campus.—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient to provide in a superior way for all resident men students. Charges for board are approximately \$30.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barber Shop, and all publication staff offices.

In addition to the Union dining halls, the Coffee Shop is operated for the convenience of students and visitors.

Woman's College, East Campus.—The dining halls of the Woman's College are situated in the Union, the student center, on the East Campus. No resident woman is permitted to board elsewhere than at this Union. Board is \$125.00 per semester.

Because of the large number of those served in the Union dining halls, it is not possible to arrange special diets for individual students. Special diet for the sick is served in the Infirmary.

The Union includes a Faculty dining room, a lounge, and other rooms for various student activities.

College of Engineering, East Campus.—The James H. Southgate Memorial Building, set aside for the housing of engineering students, contains social rooms, gymnasium, dining hall, and kitchen, as well as dormitory facilities. Meals are provided in this building at the same rate which prevails in the other University dining halls.

LAWS REGARDING PAYMENTS

The Executive Committee of Duke University has enacted the following regulations which govern the payment of all fees due the University:

1. The President and the Treasurer of the University have no authority to suspend or in any way alter these regulations.
2. Matriculation and tuition fees are never refunded.
3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.
4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer for all of his indebtedness to the University.
5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the midyear or final examinations of the academic year.

When a student wishes his bills sent to his parents or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties, if his bills are not paid on the dates advertised.

TRANSCRIPTS

Students desiring to transfer from Duke University to another institution are entitled to one transcript of their record. A charge of \$1.00 is made for each additional copy.

SCHOLARSHIPS, LOANS, AND EMPLOYMENT AID

Duke University annually awards available scholarships, administers loan funds, and supervises student employment through a committee of the Faculty for deserving undergraduates of Trinity College, the Woman's College, and the College of Engineering.

SCHOLARSHIPS

Scholarships intended to aid needy and deserving students have been established from time to time by persons deeply interested both in Duke University and in the members of its student body. Such scholarships are supported by the income from invested funds. All scholarship endowments are held in trust and are kept separate and distinct from other holdings of the University. All income is faithfully applied in accordance with the terms of the gift or bequest.

In addition, a limited number of scholarships, notably the honorary awards in recognition of scholastic merit and strength of character, are financed through current funds of the University.

Scholarships are awarded annually by a committee of the Faculty appointed by the President of the University. In some cases donors have specified certain limitations and conditions. These are faithfully followed, but in all cases final award is made by the Faculty committee.

As a general rule, scholarships cover tuition charges only, though in some instances provision has been made for larger amounts. Any prospective student may apply for a scholarship. No application, however, may be made formally by a prospective student until application for admission has been made, all necessary credentials presented, and notification of acceptance given. The number of scholarships available is small in comparison with the number of undergraduate students enrolled in the University, and as a result the committee in making the awards attempts in so far as possible to limit scholarship aid to cases where the need is imperative. Before applying for such aid, a student should first have exhausted all means of aid from parents, kinsfolk, interested friends and commercial or civic agencies in his home locality.

All applications for scholarship aid should be made to the Scholarship Committee, Secretary's Office, Duke University.

The list of scholarships available for undergraduates appears in the General Catalogue of the University.

LOAN FUNDS

A number of loan funds have been established for the benefit of students of Duke University. The most important and largest of these is the Angier B. Duke Memorial Student Loan Fund, which is administered through an advisory committee of officers of the University. The amount

available to be loaned annually depends upon the income from investments and on the amount repaid on loans previously made to students.

The same committee of officers administers the other endowed loan funds of the University.

Although a considerable sum accrues annually for loans to students, it is not sufficient to provide for all calls for assistance. The committee in approving loans selects those students who from the standpoint of character, scholastic attainment, personality, and degree of financial need are most deserving of consideration.

The following regulations govern the making of all student loans:

1. No loan shall be made to a student who violates any of the regulations of the University or whose classwork is not satisfactory to the Faculty.

2. As a general policy a student is not potentially eligible for loan assistance until he has been in residence at least one semester and until those responsible for the administration of loan funds have had an opportunity to acquaint themselves with the worthiness and the need involved in any particular case.

3. Loans will be made only to students who are taking approved courses of study that lead to a degree, and all loans must be arranged for not later than one week after the beginning of a semester.

4. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money shall be advanced before a note with approved security is in the hands of the Treasurer of the University.

5. No loan will be made to defray any other expenses than those incurred during the academic year for tuition, for matriculation, or for room-rent.

6. Interest at a rate of 6 per cent annually shall be charged for all loans of money, and the interest must be paid annually.

7. Applications for loans should be made to the Loan Committee, Secretary's Office, Duke University Station. A formal application for loan assistance may be made only on blanks furnished in the Secretary's Office at the time of registration. The granting or withholding of a loan is a matter entirely within the discretion of the Loan Committee. A student is expected to use all other possible means of securing financial assistance before applying for aid from the Loan Fund.

EMPLOYMENT

A number of students each year secure part-time employment on the University campus and in the city. Those in need of such employment may apply to the Secretary of the Committee on Student Aid, Secretary's Office, Duke University. No definite number of such places can be promised. Available places will be assigned in accordance with the merit and the need of the applicants.

HONORS AND PRIZES

To be eligible for Honors a student must earn during the year a credit of not less than thirty semester hours. Students in the Freshman, Sophomore, and Junior classes who earn an average of at least two and one-half quality-points per semester hour are given Honors. All semester hours on which a student receives a grade are counted in the determination of Honors.

The degree of Bachelor of Arts or of Bachelor of Science with distinction is conferred upon the following rules:

Students who have completed a minimum of ninety semester hours in Duke University are eligible for general Honors at graduation. Those who earn an average of at least two and one-half quality-points per semester hour are recommended for a degree *magna cum laude*. Those who earn an average of at least two and three-fourths quality-points per semester hour are recommended for a degree *summa cum laude*. All semester hours taken in Duke University on which a student receives a grade are counted in the determination of Honors.

MEDALS AND PRIZES

The Wiley Gray Medal was established by the late Robert T. Gray, Esq., of Raleigh, North Carolina, to be awarded annually in memory of his brother. It is given for the graduating oration that shall be, in the opinion of a committee, the best, with respect to both declamation and composition.

The Debate Council authorizes the awarding of medals to members of the graduating class who have represented the University in at least two intercollegiate debates. The medals are given by the local chapter of the Tau Kappa Alpha Fraternity.

The Robert E. Lee Prize is the gift of the Reverend A. W. Plyler, of the Class of 1892, and Mrs. Plyler. The sum of \$50 is awarded annually at Commencement, preferably to that member of the Senior Class who in character and conduct, in scholarship and athletic achievement, in manly virtues and the capacity for leadership, has most nearly realized the standard of the ideal student. The Dean of the College, the Graduate Manager of Athletics, and the President of the Student Council constitute a committee to draft and adopt regulations governing the award.

Alpha Kappa Psi Medallion. This prize is offered each year to the member of the graduating class who makes the highest record in economics and business administration during his career at the University.

The Willis Smith Prize. Mr. Willis Smith, a member of the Raleigh Bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the graduating class of the Law School who has maintained the highest scholastic average during the entire three years of Law School work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose.

Julia Dale Prize in Mathematics. This is a prize of books given annually to the undergraduate who shows the greatest proficiency in the study of the calculus.

The Milmow Prize, consisting of one year's subscription to the *Electrical World*, is awarded each year to that student from North or South Carolina graduating in the Department of Electrical Engineering, who, in the opinion of the Faculty of that department and as shown by his grades, has made the most progress in electrical engineering during his last year in college.

Institute of the Aeronautical Sciences Awards. Two annual awards, each consisting of a two-year paid-up membership in the Institute and a certificate, presented, respectively, to the student presenting the best paper before a meeting of the Duke student branch of the Institute, and to that student of the Department of Mechanical Engineering making the highest scholastic record in aeronautical engineering courses.

The Pegram Chemistry Club Prize will be awarded in the spring of each year for scholarship in chemistry, physics, and mathematics. The prize is to consist of one-year junior membership in the American Chemical Society, and a one-year subscription to either the *Journal of the American Chemical Society*, or to *Industrial and Engineering Chemistry*. To qualify for this prize the student must (1) be enrolled as an undergraduate of Duke University, (2) be taking or have taken a fourth-year chemistry course. The winner of this prize is to be selected by a committee consisting of at least one Faculty member and at least two members of the Pegram Chemistry Club; the selection is to be based on the quality-point average for all courses taken in chemistry, physics, and mathematics. In case of a tie equal awards will be given.

The Sigma Xi Prize. The Society of the Sigma Xi, honorary scientific society, is devoted to the encouragement of scientific research, and seeks to stimulate those who show promise of accomplishment in scientific research. As an encouragement to younger men and women the Duke Chapter of Sigma Xi has established the following prizes to be awarded annually to students resident at Duke University: \$20.00 for an undergraduate project or paper, \$20.00 for a Master's thesis or its equivalent, and \$40.00 for a Ph.D. dissertation or its equivalent. Nominations, recommendations, copies of theses, reports or other material must be in the hands of the Secretary of the Chapter on or before May 5.

The Erasmus Club Prize in the Humanities. The Erasmus Club, founded in 1925, a group of Duke faculty members interested in research in language, literature, and the arts, seeks to stimulate interest and study in these fields. To encourage Duke students in this field, the Erasmus Club has established an annual prize, amounting to \$25.00, for the best original essay by an undergraduate which embodies the results of research, criticism, or evaluation in some subject in the humanities. Prospective competitors should consult some member of the faculty, preferably their major professor. Essays must be typewritten and must be submitted to the president of the Club before the first of April. The Club reserves the right to withhold the prize in case there are no essays of acceptable quality.

STUDENT ORGANIZATIONS AND ACTIVITIES

The Men's Association of Duke University comprises all men students in Trinity College. It functions through its officers and a council to initiate policies and to oversee matters within the control of the student body. The council is composed of nine members: three executive officers, two representatives from the Senior Class, two from the Junior Class, one from the Sophomore Class, and one from Southgate Dormitory.

The Women's Student Government Association is similar in character to the men's association. Its council is composed of the officers of the association and ex officio of the Y.W.C.A. president and an undergraduate representative.

The Young Men's Christian Association and the *Young Women's Christian Association* are branches of the national student Christian Associations. Each body aims to enrich not only the religious life of its members as individuals but also to promote religious group activity. Delegates are sent each year to summer conferences, state conventions, interstate conventions, and the state Bible and missionary institutes. Every year a series of special religious services is held. The Open Forum Bible Class is conducted under the auspices of the Church Board.

Other organizations and activities include the following:

Bench and Bar Association (Pre-Legal Undergraduates); Classical Club (Men); Debate Council (Men); Debating Club (Women); Duke University Church (Interdenominational); Duke University Pre-Medical Society (Undergraduate Medical Group); Hoof and Horn Club; Isotes (Independent Social Group—Women); Ministerial Fellowship; Modern Dance Group; Nereidian Club (Women); Poetry Club; Quadrangle Pictures; Student Forum Committee (Women); Student Religious Council; The Duke Players; The Explorers' Club; Town Boys' Club; Town Girls' Club; Trident Club; Wartime Social Activities Board; Women's Athletic Association; and W. H. Pegram Chemistry Club.

HONORARY ORDERS AND FRATERNITIES (NATIONAL)

Chi Delta Phi (Literary—Women); Kappa Delta Pi (Education); Omicron Delta Kappa (Leadership—Men); Phi Beta Kappa (Scholarship); Phi Eta Sigma (Freshman Scholarship—Men); Pi Mu Epsilon (Mathematics); Tau Kappa Alpha (Forensic); Tau Psi Omega (French); Theta Alpha Phi (Dramatic).

HONORARY ORDERS AND FRATERNITIES (LOCAL)

Beta Omega Sigma (Sophomore—Men); Delta Phi Rho Alpha (Athletic—Women); 9019 (Scholarship—Men); Ivy (Freshman Scholarship—Women); Red Friars (Leadership—Men); Sandals (Sophomore—Women); Tombs (Athletic—Men); White Duchy (Leadership—Women).

ENGINEERING ORGANIZATIONS AND FRATERNITIES

American Institute of Electrical Engineers; American Society of Civil Engineers; American Society of Mechanical Engineers; Institute of the Aeronautical Sciences; Delta Epsilon Sigma (Honorary Engineering Fraternity); Engineering Student Government Association; Engineering Town Boys' Club.

MUSICAL ORGANIZATIONS AND FRATERNITIES

Kappa Kappa Psi (National Band Fraternity); The Duke University Instrumental Music Association, comprised of members from Duke University Band, Duke University Orchestra, and chamber music groups; The Men's Glee Club; The Women's Glee Club; The University Chapel Choir; The Woman's College Orchestra; The Woman's Music Study Club.

SOCIAL FRATERNITIES (NATIONAL)**(The Men's Panhellenic Council)**

Alpha Tau Omega; Beta Theta Pi; Chi Phi; Delta Sigma Phi; Delta Tau Delta; Kappa Alpha; Kappa Sigma; Lambda Chi Alpha; Phi Delta Theta; Phi Kappa Psi; Phi Kappa Sigma; Pi Kappa Alpha; Pi Kappa Phi; Sigma Alpha Epsilon; Sigma Chi; Sigma Nu; Sigma Phi Epsilon; Zeta Beta Tau.

SOCIAL SORORITIES (NATIONAL)**(The Women's Panhellenic Council)**

Alpha Chi Omega; Alpha Delta Pi; Alpha Phi; Alpha Epsilon Phi; Delta Delta Delta; Delta Gamma; Kappa Alpha Theta; Kappa Delta; Kappa Kappa Gamma; Phi Mu; Pi Beta Phi; Sigma Kappa; Zeta Tau Alpha.

STUDENT PUBLICATIONS**(Publications Council)**

Archive (Monthly); *Chanticleer* (Annual); *Chronicle* (Semiweekly); *Duke 'n' Duchess* (Monthly Humor).

STUDENT ACTIVITIES OFFICE

The Student Activities Office was established for the purpose of assisting and co-ordinating the financial activities of the various student organizations in Trinity College.

The office offers to student organizations a banking service through the office of the University Treasurer.

There is no charge for this service.

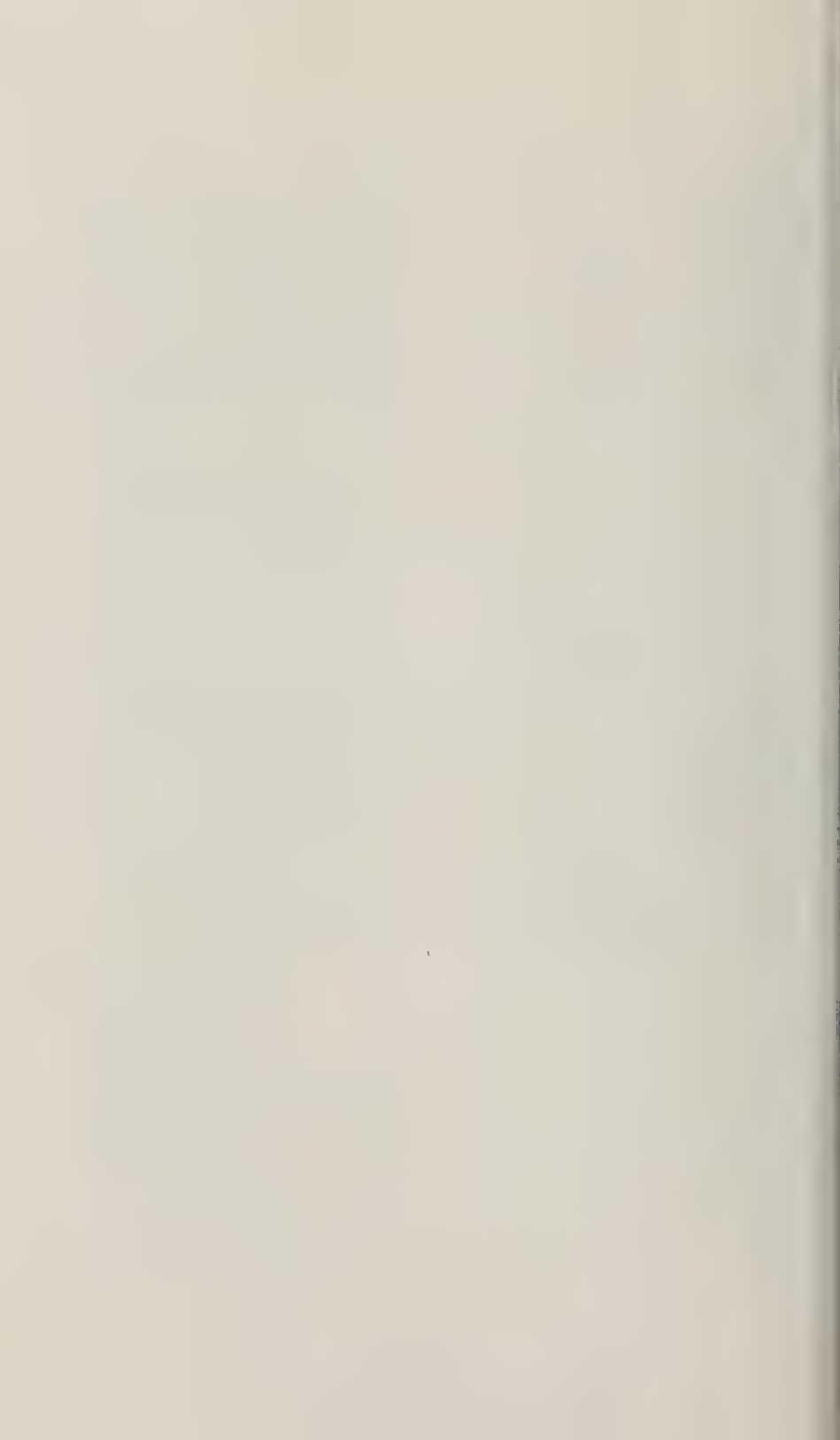
The Student Activities Office, co-operating with the University Purchasing Department, also serves in the capacity of purchasing agent for its affiliated student organizations. Problems of a general nature having to do with extracurricular activities may be discussed with this office.

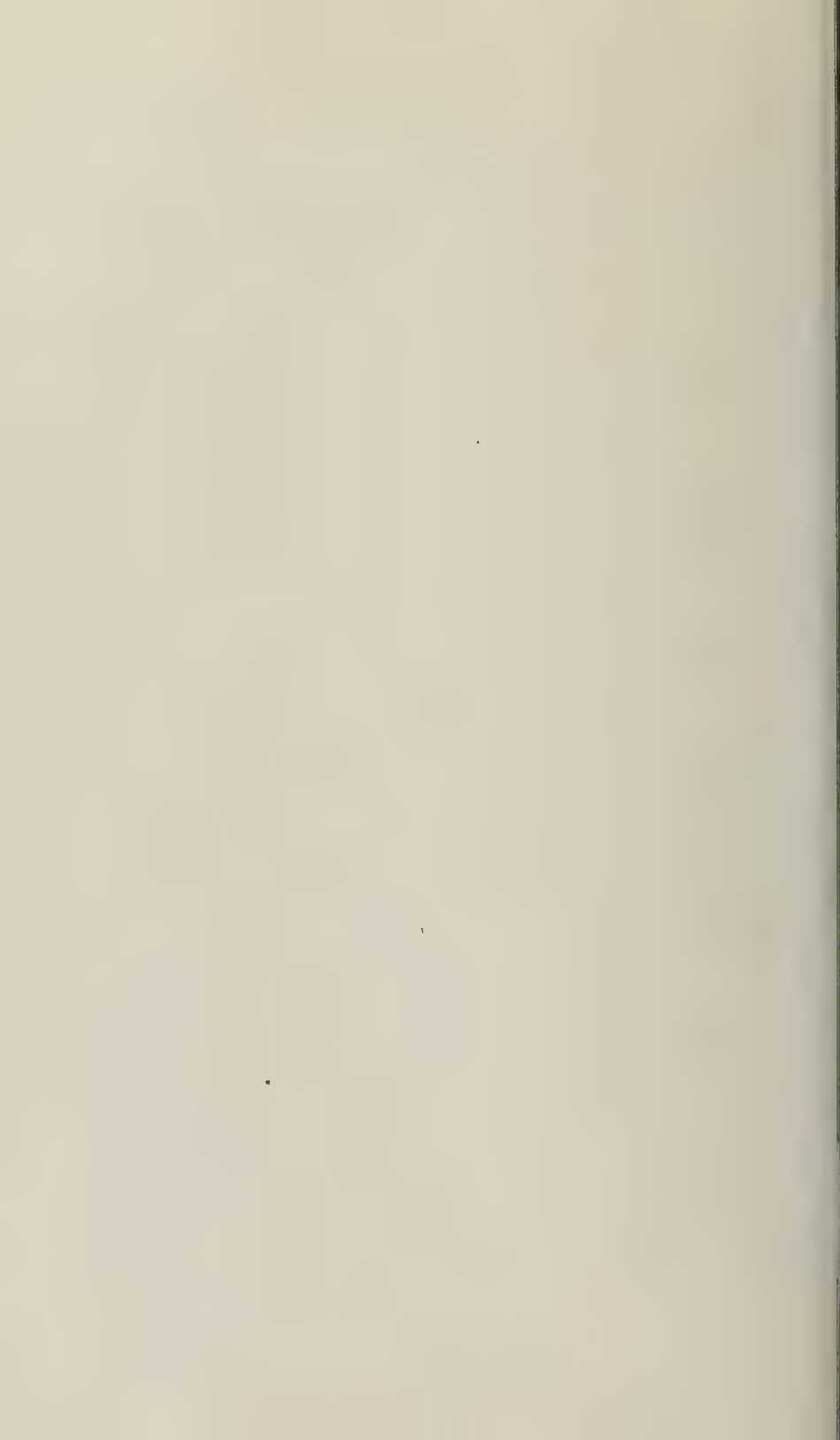
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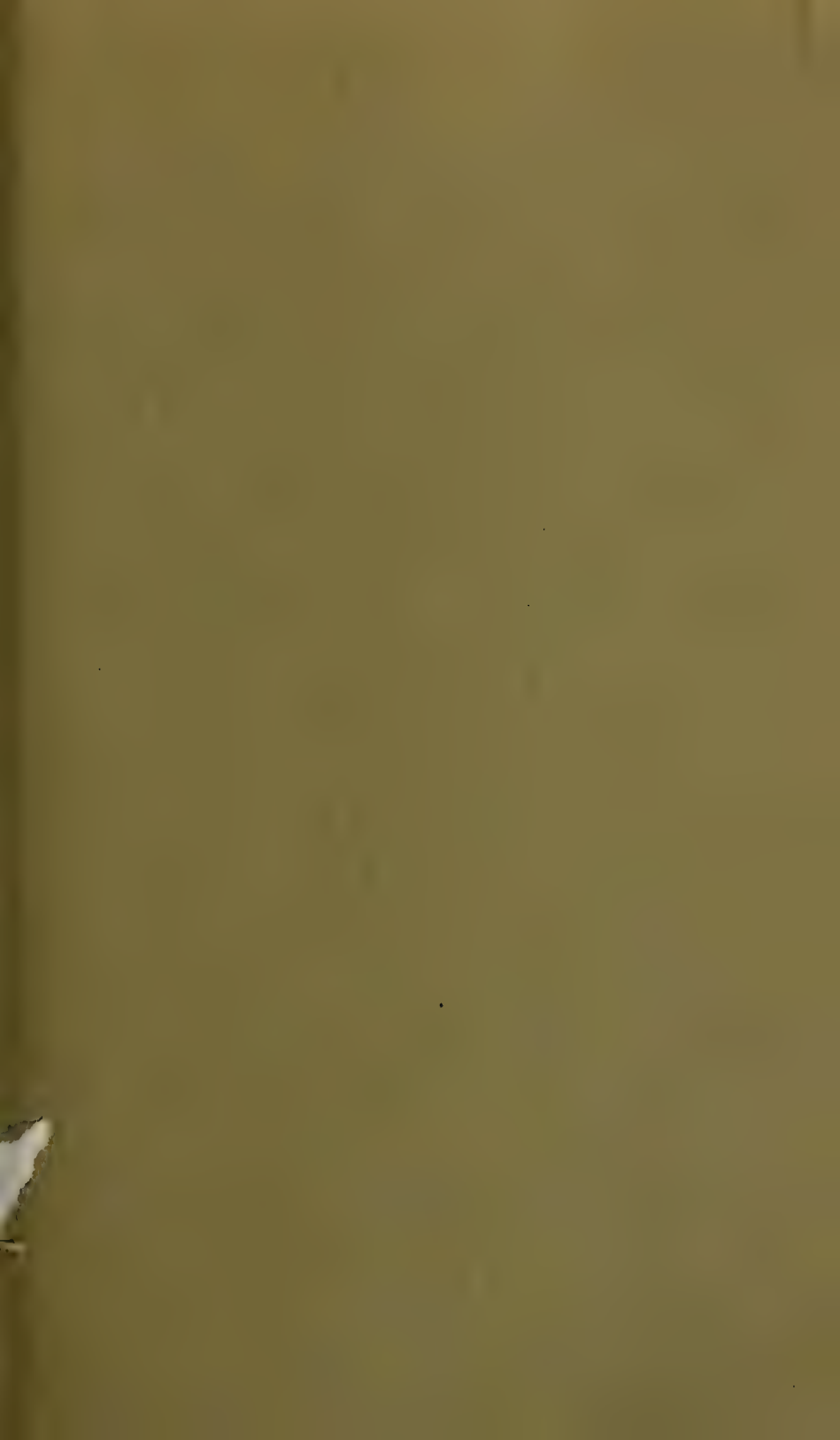
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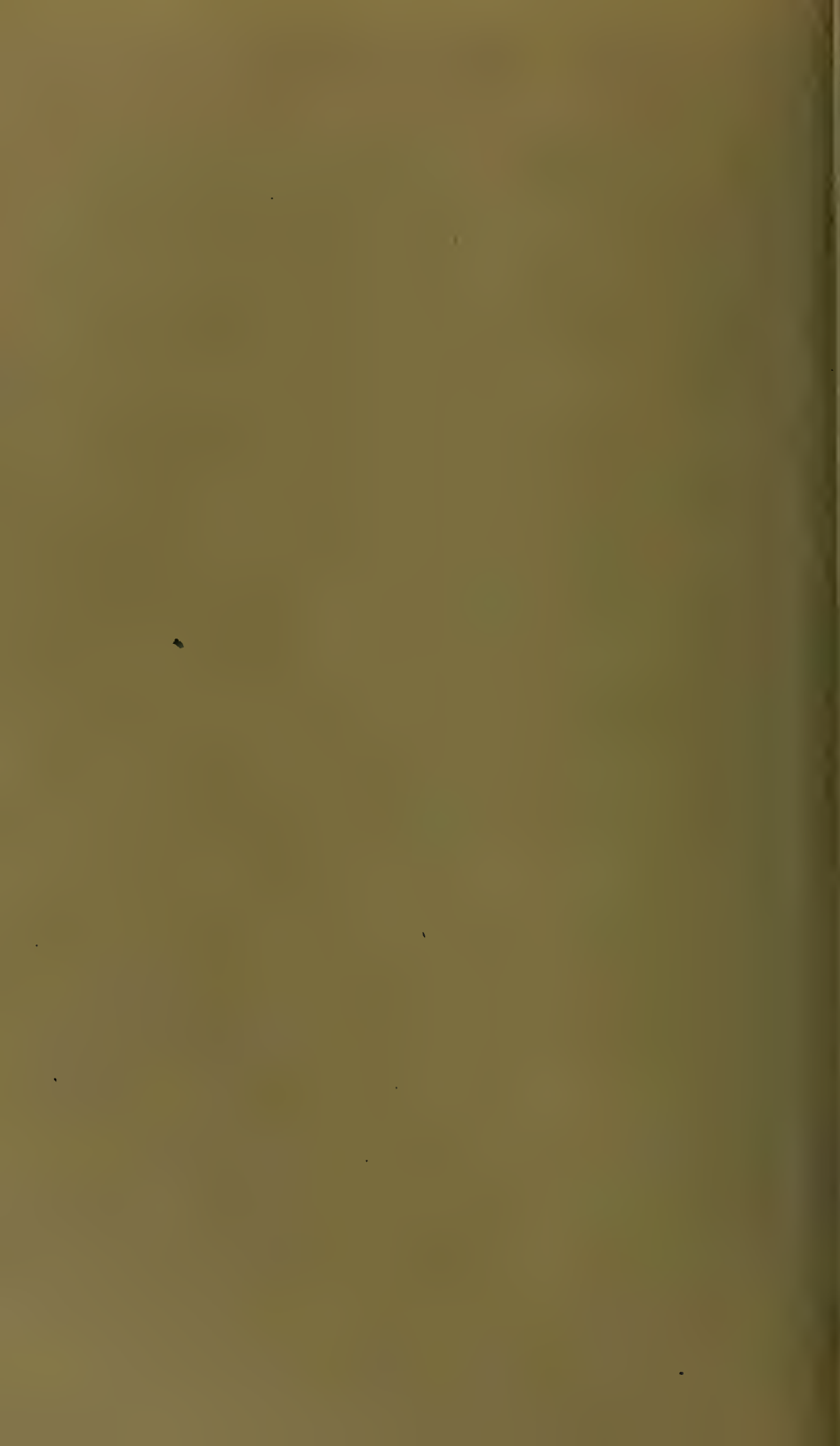
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May, 1943

NUMBER 7

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The Divinity School



1942-1943

ANNOUNCEMENTS FOR 1943-1944

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DURHAM, NORTH CAROLINA

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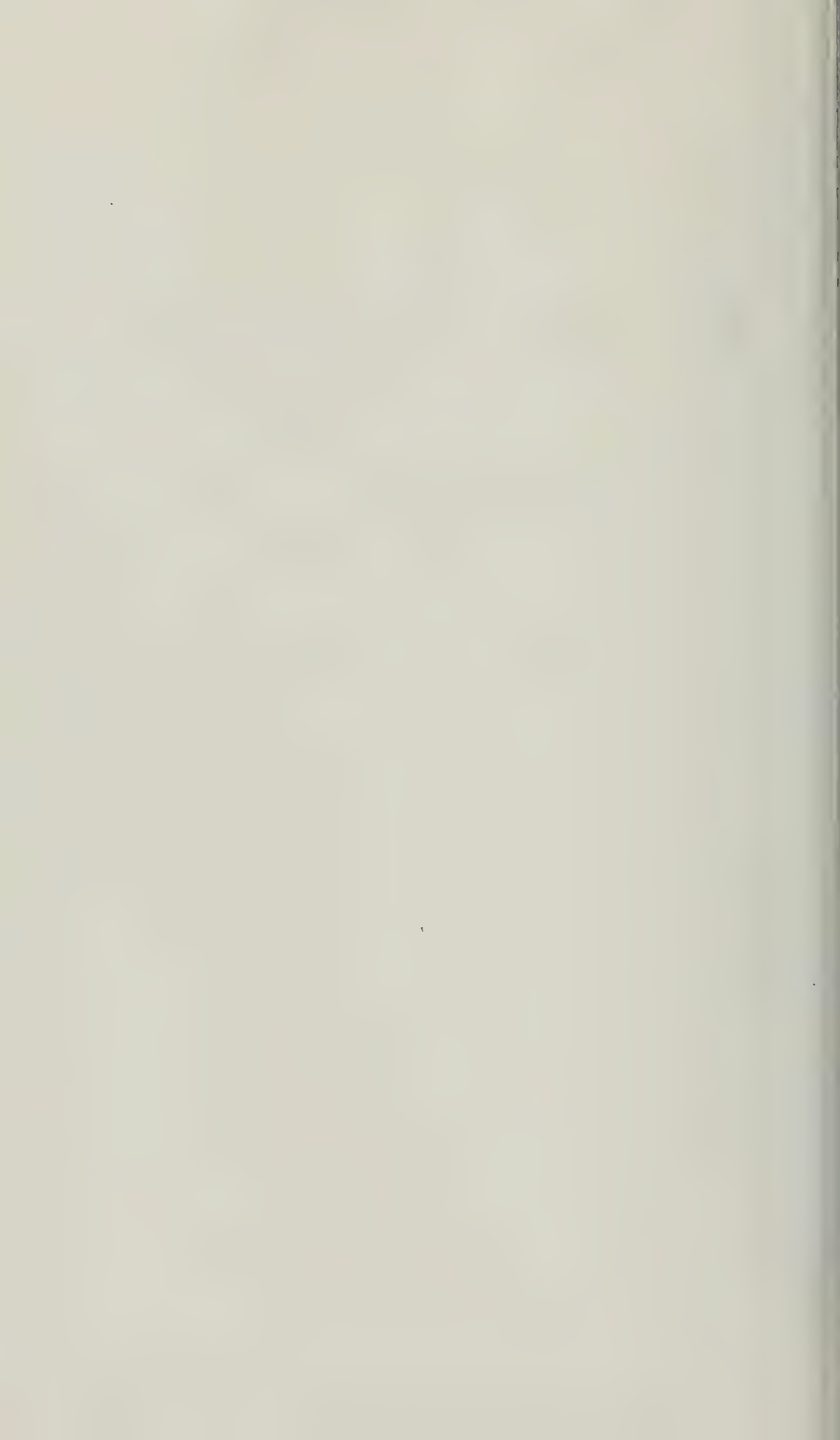
THE DIVINITY SCHOOL

1942-1943

ANNOUNCEMENTS FOR 1943-1944

DURHAM, NORTH CAROLINA

1943



CALENDAR

1943

- Sept. 17. Friday, 4:00 P.M.—First regular Faculty meeting.
Sept. 18. Saturday—Matriculation and registration of students.
Sept. 20. Monday, 8:00 A.M.—Instruction begins.
Sept. 20. Monday, 10:30 A.M.—Formal opening exercises.
Oct. 5. Tuesday—Last day for submitting subjects for B.D. theses.
Nov. 25. Thursday—Thanksgiving Day: a holiday.
Dec. 11. Saturday—Duke University Day.
Dec. 18. Saturday, 1:00 P.M.—Christmas recess begins.
Dec. 28. Tuesday, 1:00 P.M.—Instruction is resumed.

1944

- Jan. 15. Saturday—Mid-year examinations begin.
Jan. 22. Saturday—Matriculation and registration for second semester.
Jan. 24. Monday—Second semester begins.
May 3. Wednesday—Last day for submitting B.D. theses.
May 10. Wednesday—Final examinations begin.
May 20. Saturday—Commencement Day.

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Alumni: Garber, Branscomb, Cannon.

Bulletin: Cannon, Hickman, Spence.

Chapel: Outler, Spence, Stinespring.

Curriculum: Garber, Branscomb, Cannon, Russell, Smith.

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Extension: Hickman, Rowe, Russell.

Honors and Awards: Myers, Hart, Stinespring.

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Research: Smith, Branscomb, Hart.

Social: Spence, Clark, Dubs.

Social Service: Hart, Dubs, Smith.

Spiritual Life: Russell, Myers, Petry.

Student Field Work: Ormond, Myers, Outler.

Theses: Clark, Hickman, Outler.

THE DIVINITY SCHOOL OF DUKE UNIVERSITY

HISTORICAL STATEMENT

The present Duke University has gradually been developed from a simple beginning in a local school established in 1838 in the northwestern part of Randolph County, North Carolina. This school was enlarged in 1840 and named Union Institute. In 1841 it was incorporated as Union Institute Academy by the legislature of North Carolina. Under the leadership of President Braxton Craven, the Academy grew into an institution chartered as Normal College in 1851. An amendment to the charter in November, 1852, authorized Normal College to grant degrees, and two students were graduated in 1853 with the degree of Bachelor of Arts.

In 1859 the charter of Normal College was amended to place the institution under the control of the Methodist Episcopal Church, South, and the name was changed to Trinity College. Dr. John Franklin Crowell became president of Trinity College in 1887. The most important achievement of his administration was the removal of the College to Durham, North Carolina, which was accomplished by September, 1892.

President Crowell resigned in 1894, and was succeeded by the Reverend John Carlisle Kilgo, D.D. During President Kilgo's administration the endowment of Trinity College was greatly increased, a library and other important buildings were erected, and notable progress was made by increasing the variety and improving the quality of the courses of instruction. A School of Law was established in 1904 by the gift of James B. and Benjamin N. Duke. In 1910 President Kilgo was succeeded by Dr. William Preston Few.

Trinity College experienced a great expansion in faculty, endowment, buildings, and equipment during President Few's administration. In December, 1924, James B. Duke established a \$40,000,000 trust fund for educational and charitable purposes. Trinity College accepted the terms of the indenture of trust on December 29, 1924, and on the following day the name of the institution was changed to Duke University. Mr. Duke's death in 1925 was followed by the announcement of munificent provisions in his will for the development of the University which bears his family name. Following the death of President Few in October, 1940, Dr. Robert Lee Flowers was elected as his successor on January 29, 1941.

Dr. Edmund Davison Soper was dean of the Divinity School from 1926 to 1928. He was succeeded by Dr. Elbert Russell. Following the resignation of Dean Russell in 1941, Dr. Paul Neff Garber became dean on June 3, 1941.

THE DIVINITY SCHOOL

Trinity College was established by Christian men for the purpose of providing education for young men and women under distinctive Chris-

tian auspices. There has been no departure from this clearly defined aim. On the contrary, there has been ever-increasing emphasis placed upon this feature of the work of the College, especially in the provision in the curriculum for a great variety of courses on the Bible and other religious subjects.

Through the gift of James B. Duke, the Divinity School and its curriculum have been separated from the work of the Department of Religion in Trinity College. Among those for whom his gift was intended Mr. Duke placed ministers first. He felt sure that his native state of North Carolina stood in need primarily of a better educated and more efficiently trained ministry. The organization of the Divinity School of Duke University, the first of the professional schools to start its work, is the carrying out of this intention on the part of Mr. Duke. The work of the School began with the academic year 1926-27, though the formal opening exercises were not held until November 9, 1926.

The Divinity School is a member of the American Association of Theological Schools and was included in the list of accredited theological schools approved by the Association in June, 1938.

THE PURPOSE OF THE DIVINITY SCHOOL

Christian work has now expanded to the extent that it covers far more than the work of a preacher or minister. The Divinity School of Duke University purposes to offer training for those engaged in all types of Christian service. This includes missionaries, teachers of Bible and other religious subjects in the schools and colleges of the church, directors of religious education, and social workers. In the future it is planned to fit the courses more completely to the needs of these workers. Still it must be kept clear that the minister in charge of a church, who stands before the people to preach the Gospel of Christ, is the center and key to the whole problem of Christian work in the church. It is felt with strong conviction that the training of all Christian workers should be maintained on a high level. Consequently, the Divinity School is organized on a strictly graduate basis. It is sincerely hoped that the standard thus set may increasingly influence the type of men and women entering Christian work and may lead them to demand the best of themselves in the prosecution of the work of Christ among men.

RELATION OF THE DIVINITY SCHOOL TO DUKE UNIVERSITY

As one of the co-ordinate schools of Duke University, the Divinity School is in closest touch with the other schools, particularly with Trinity College and with the Graduate School of Arts and Sciences. Various privileges of Duke University are open to students of the Divinity School. Students in the School are expected to take part in the religious and social life of the University campus and to share in athletic interest and activities.

REQUIREMENTS FOR ADMISSION

Candidates for matriculation must be graduates of colleges of recognized standing. They will be admitted without examination on presentation of an official transcript of all college credits and such other credits as they may have secured. This applies to students coming from foreign countries as well as to students from institutions in the United States. They must satisfy the Faculty as to their Christian character and purpose. To this end a letter regarding a student's character and purpose from the pastor of his home church, a church official or some faculty member in the college where he did his undergraduate work, should be presented at the time of admission. Women will be admitted on the same conditions as men. Graduates from nonaccredited institutions may be admitted on probation.

PART-TIME SCHEDULES

Students who are not giving full time to their studies in the Divinity School may carry only limited schedules of class work.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Bachelor of Divinity are ninety semester hours, six semester hours of which shall be covered by the writing of an adequate thesis, either in a thesis seminar or under supervised thesis guidance. The course is planned to cover three years, of two semesters each. In no case will the degree of Bachelor of Divinity be conferred on a student until he has spent at least two full semesters in residence in the Divinity School, and has satisfactorily completed a minimum of twenty-four semester hours of work.

THESIS

A thesis is required of all candidates for the degree of Bachelor of Divinity. It shall be of such a character as shall evidence a knowledge of the methods of research and an ability to conduct independent investigations. It shall be written upon some topic in the major field of study. The candidate is responsible for the selection of a suitable subject, which must be approved by the professor in charge of the major field and must be filed with the Dean of the Divinity School on or before October 5 of the academic year in which it is expected that the degree will be conferred. Following the submission and approval of the subject of the thesis no changes will be permitted, except changes for the purpose of clarification or limitation of the subject. A student who does not complete his thesis within a period of three years from the date of the approval of his subject must secure a reapproval of the old subject or the approval of a new subject. The thesis shall be prepared under the supervision and guidance of the professor in charge of the major field. No student shall be allowed to write his thesis *in absentia* except with the approval of the Committee on Theses upon the recommendation of the

professor in charge of the thesis. In all such cases regular reports as to the progress of the thesis must be made to the professor in charge, as often as he may deem wise.

The thesis shall be between one hundred and one hundred and twenty pages in length, inclusive of introduction, conclusion, appendices, and bibliography, except in unusual cases clearly recognized as such by the Committee on Theses in approving thesis subjects. The student, the director, and the Committee on Theses shall be responsible for the selection and approval of such subjects as can be treated satisfactorily within these limits.

The thesis shall be read by a committee of three members of the Faculty of the Divinity School, consisting of the professor under whose direction the thesis has been written and two other members appointed by the Dean, one of whom shall be of a department other than that in which the thesis is written. Each candidate shall be examined orally on his thesis by the committee appointed to read it, said examination not to exceed one hour in length. The thesis must be satisfactory to a majority of the members of the Committee of Examination, including the representative of the department in which the thesis was written.

A complete, typed copy of the thesis shall be in the hands of the professor under whom the thesis is written, for correction, by April 19, and three permanently bound typewritten copies shall be presented for examination not later than May 3 of the year in which it is expected the degree will be conferred. Theses submitted after May 3 shall not be considered as fulfilling the requirements for graduation in that academic year. In the case of extensive corrections of the thesis in the course of the examination, such retyping and rebinding of the thesis as the Committee of Examination may desire shall be required.

PRESEMINARY CURRICULUM

The Divinity School, in substantial agreement with the standards of the American Association of Theological Schools, recommends that prospective candidates for admission keep in mind the desirability of including the following in their undergraduate curriculum:

Two years' work in English literature and composition.

Two years in a foreign language.

One semester each in psychology, philosophy, and sociology (or economics).

One year in history.

An introduction to the natural sciences with adequate laboratory work (biology or one of the physical sciences).

Proficiency in public speaking.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF DIVINITY

GENERAL REQUIREMENTS

Ninety semester hours are required for graduation. Forty-five of these must be the following:

Old Testament	6 s.h.
New Testament	6 s.h.
Christian Doctrine	6 s.h.
Church History	6 s.h.
Homiletics	6 s.h.
History of Religion and Missions	6 s.h.
Religious Education	3 s.h.
Practical Theology	3 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.
	45 s.h.

MAJORS AND THESES

Each student must select a major field in which he elects to write his thesis and in which he must take fifteen semester hours including the general requirement in that field. This choice must be made by the end of the Middle year. A student may take his major in any of the departments of the Divinity School. He may also take his major in English Bible. To major in that field, he must complete in addition to the required work in the Departments of Old Testament and New Testament six semester hours in the Department of Old Testament and six semester hours in the Department of New Testament, exclusive of language.

DISTRIBUTION OF COURSES BY YEARS

JUNIOR YEAR

Old Testament	6 s.h.
New Testament	6 s.h.
Church History	6 s.h.

The remaining twelve semester hours shall be chosen from the remaining required courses in the Departments of Practical Theology, Religious Education, History of Religion and Missions, but not more than six semester hours shall be taken in one department. Students desiring courses in Greek and Hebrew may secure a suitable rearrangement of the distribution of courses by years on approval of the Registration Committee.

12 s.h.
—
30 s.h.

MIDDLE YEAR

Christian Doctrine	6 s.h.
Homiletics	6 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.

After all other required courses are completed, the remainder of the work of this year is elective, but not more than twelve semester hours shall be taken in one department.

15 s.h.

30 s.h.

SENIOR YEAR

In the Senior year the student must fulfill all general requirements not completed in the Junior and Middle years. The remainder of the work is elective.

30 s.h.

TABLE OF REQUIRED COURSES

OLD TESTAMENT

203-204. Introduction to the Old Testament 6 s.h.

NEW TESTAMENT

213-214. The Beginnings of Christianity 6 s.h.

CHRISTIAN DOCTRINE

321. Introduction to Theology 3 s.h.

322. Introduction to the History of Christian Thought 3 s.h.

CHURCH HISTORY

233. Church History to the Reformation 3 s.h.

234. History of the Evangelical Movement 3 s.h.

HOMILETICS

341. Theory and Practice of Preaching 3 s.h.
and either

342. Sermon Construction 3 s.h.

or

346. Major Types of Preaching 3 s.h.

or

348. Materials of Preaching 3 s.h.

PRACTICAL THEOLOGY

351. Church Administration 3 s.h.

RELIGIOUS EDUCATION

262. The Educational Work of the Church 3 s.h.

PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics I 3 s.h.

HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World 3 s.h.

282. Missionary Promotion 3 s.h.

COURSES OF INSTRUCTION*

OLD TESTAMENT

201-202. First Hebrew.—The principles and structure of the Hebrew language with translation of selected Old Testament narratives. M.W.F. at 9:10. **6 s.h.** ASSOCIATE PROFESSOR STINESPRING

203-204. Introduction to the Old Testament.—The origin, literary forms, and contents of the books of the Old Testament in their geographical and historical setting. M.W.F. at 8:00. **6 s.h.** PROFESSOR RUSSELL AND ASSOCIATE PROFESSOR STINESPRING

205-206. Elementary Arabic.—No prerequisite, but one year of Hebrew recommended as preparation. **6 s.h.** ASSOCIATE PROFESSOR STINESPRING.
[Not offered in 1943-44]

207-208. Second Hebrew.—Samuel or Kings the first semester and Isaiah the second. M.W.F. at 2:00. **6 s.h.** ASSOCIATE PROFESSOR STINESPRING

301. Old Testament Theology.—The religious and ethical teachings of the books of the Old Testament in their historical development. Prerequisite: Old Testament 203-204. T.Th.S. at 10:20. **3 s.h.** PROFESSOR RUSSELL

303. The Exegesis of Selected Books of the Old Testament.—A study of the Wisdom Literature with special emphasis on the Book of Job. Based on the English text. Prerequisite: Old Testament 203-204. T.Th.S. at 9:10. **3 s.h.** PROFESSOR RUSSELL

304. Aramaic.—A study of the Aramaic portions of the Old Testament, and selected passages from the Targums, Midrashes, and Talmuds. Hours to be arranged. **3 s.h.** ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1943-44]

305. Third Hebrew.—A study of late Hebrew prose, with readings from Chronicles, Ecclesiastes, and the Mishnah. Hours to be arranged. **3 s.h.** ASSOCIATE PROFESSOR STINESPRING

309. History of the Ancient Near East.—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in the light of Biblical archaeology. T.Th.S. at 11:30. **3 s.h.** ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1943-44]

310. Old Testament Prophecy.—A study of the social teachings of the Old Testament with special reference to the prophets of the eighth century B.C. T.Th.S. at 10:20. **3 s.h.** ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1943-44]

401-402. Thesis Seminar.—For students majoring in the Department of Old Testament. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) DEPARTMENTAL STAFF

* On recommendation of the professor in charge of the major field, courses offered in the Graduate School of Arts and Sciences other than those approved for credit in the Divinity School may be approved for credit in individual cases, provided no equivalent course is offered in the Divinity School; each case to be decided on its merits.

NEW TESTAMENT

211-212. Hellenistic Greek.—Designed for beginners to enable them to read the Greek New Testament. T.Th.S. at 8:00. **6 s.h.**, provided the student takes six semester hours in New Testament Greek the following year.

ASSOCIATE PROFESSOR CLARK

213-214. The Beginnings of Christianity.—A survey course dealing with the background, the beginnings, and the early history of Christianity. Special attention is given to the creation of the literature of the New Testament. M.W.F. at 9:10. **6 s.h.**

PROFESSOR BRANSCOMB AND ASSOCIATE PROFESSOR CLARK

217. The New Testament in Greek.—Considerable portions of the Greek text of the New Testament will be read and the principles of Hellenistic Greek studied. Prerequisite: six semester hours' study of the Greek language. M.W.F. at 9:10. **3 s.h.**

PROFESSOR BRANSCOMB

218. Galatians and I Corinthians.—A detailed study of two of Paul's major epistles. The course will be based on the Greek text. Prerequisite: New Testament 217 or its equivalent. T.Th.S. at 9:10. **3 s.h.**

PROFESSOR BRANSCOMB

219. Life of Paul.—A study of Paul's life on the basis of Acts and the letters of Paul, emphasizing the permanent values in Paul's work and his contribution to the world. T.Th.S. at 11:30. **3 s.h.**

PROFESSOR MYERS

220. I Peter and the Gospel of John.—A detailed study of two of the non-Pauline writings of the New Testament. The course will be based on the Greek text. Prerequisite: New Testament 217 or its equivalent. T.Th.S. at 9:10. **3 s.h.**

PROFESSOR BRANSCOMB

[Not offered in 1943-44]

311. The Life and Teachings of Jesus.—Prerequisite: New Testament 213-214. M.W.F. at 10:20. **3 s.h.**

PROFESSOR BRANSCOMB

312. New Testament Theology.—The religious teachings of the books of the New Testament. Prerequisite: New Testament 213-214. M.W.F. at 10:20. **3 s.h.**

PROFESSOR RUSSELL

313. Apostolic Fathers.—A study of the Christian development from Clement of Rome to Polycarp, with readings in the Greek text. T.Th.S. at 10:20. **3 s.h.**

ASSOCIATE PROFESSOR CLARK

314. Early Christian Apologists.—A study of Christian apologetics in the second century, with readings in the Greek text. M.W. at 2:00. **3 s.h.**

PROFESSOR BRANSCOMB

315. Judaism at the Beginning of the Christian Era.—A study of Judaism from the time of Ben Sirach to the writing of the Mishna. Prerequisite: New Testament 213-214. M.W. at 2:00. **3 s.h.**

PROFESSOR BRANSCOMB

316. Hellenistic Religions at the Beginning of the Christian Era.—Prerequisite: New Testament 213-214. T.Th.S. at 10:20. **3 s.h.**

ASSOCIATE PROFESSOR CLARK

318. Text of New Testament.—A study of the materials for the reconstruction of the text, the principles of textual criticism, and the history of the text. Practical exercises in the use of manuscripts and facsimiles will be given. Prerequisite: New Testament 213-214 and a reading knowledge of Greek. T.Th.S. at 11:30. **3 s.h.**

ASSOCIATE PROFESSOR CLARK

411-412. Thesis Seminar.—The materials and methods for the investigation of New Testament problems, with individual research done under the direction of the members of the Department. Admission by special permission. (Upon the satisfactory completion of the thesis, the student receives six semester hours' credit for the thesis.)
DEPARTMENTAL STAFF

CHRISTIAN DOCTRINE

221. Platonism and Christianity.—An analysis of Plato's religious philosophy and a survey of its continuing influence in Hellenistic and Christian thought. Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). T.Th. 2:00-3:30. **3 s.h.**

[Not offered in 1943-44]

ASSISTANT PROFESSOR OUTLER

222. Theology and Philosophy in the Nineteenth Century.—A study of Protestant thought from Schleiermacher to Troeltsch, with special attention to the reciprocal relations between theology and metaphysics. Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). T.Th. 2:00-3:30. **3 s.h.**

[Not offered in 1943-44]

ASSISTANT PROFESSOR OUTLER

321. Introduction to Theology.—An examination of types of theological method and an indication of some of the results obtained through a resort to observation and experience in theological investigation. M.W.F. at 8:00. **3 s.h.**

PROFESSOR ROWE

322. Introduction to the History of Christian Thought.—A rapid survey of the main problems, thinkers, and epochs in the theological development of Christianity from its beginnings to the end of the nineteenth century. M.W.F. at 8:00. **3 s.h.**

ASSISTANT PROFESSOR OUTLER

323. The Christian Conception of the Church.—A historical survey of the ways in which the Christian tradition has interpreted the idea of the church, followed by a critical analysis of the theological implications of such contemporary problems as church and state, church and culture, and the ecumenical movement. Prerequisite: Christian Doctrine 321. T.Th.S. at 9:10. **3 s.h.**

ASSISTANT PROFESSOR OUTLER

[Not offered in 1943-44]

324. The Content of Christian Doctrine.—A comprehensive survey of the doctrines of Christianity as presented systematically in the works of some recent theologians. Prerequisite: Christian Doctrine 321. M.W.F. at 10:20. **3 s.h.**

PROFESSOR ROWE

325. Soteriology.—A study of the Christian doctrine of salvation and a comparison of the various ways by which the saving power of God is understood to take effect in personal and social life. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. **3 s.h.**

PROFESSOR ROWE

326. Eschatology.—A study of "the last things" in the light of the Christian hope for the individual and for society with special consideration of the Christian doctrine of immortality. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. **3 s.h.**

PROFESSOR ROWE

327. Arminian Theology.—A study of Arminianism in the religious thought of England and America with special reference to the system of doctrine contained in the theological writings and doctrinal standards of Methodism. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. **3 s.h.**

[Not offered in 1943-44]

PROFESSOR ROWE

328. Current Theology.—A survey of the fields of current theology with special attention given to the most significant and influential movements of reconstruction and reaction in contemporary Christianity. Prerequisite: Christian Doctrine 321. T.Th.S. at 11:30. **3 s.h.** PROFESSOR ROWE
[Not offered in 1943-44]

329. Seminar in Historical Theology.—Selected problems in the history of Christian thought, with special reference to the relation between theology and philosophy. M. at 7:30 P.M. **2 s.h.** ASSISTANT PROFESSOR OUTLER

399. Seminar in Theology and Ethics.—Readings and critical analysis of the theological and ethical thought of the main figures of the nineteenth century, including both European and American thinkers. Prerequisites: Christian Doctrine 322 and Philosophy of Religion and Christian Ethics 291. T. at 3:30. **2 s.h.** PROFESSOR SMITH AND ASSISTANT PROFESSOR OUTLER

423. History of Christian Thought I.—A survey of theology and philosophy in the development of the patristic and medieval church. Special attention is given to the writings of the most influential thinkers and to the official pronouncements of the church. Prerequisite: Christian Doctrine 321-322. T.Th. 2:00-3:30. **3 s.h.** ASSISTANT PROFESSOR OUTLER

424. History of Christian Thought II.—A survey of theological thought in the development of Protestant Christianity and Roman Catholicism. Special attention is given to problems of theological method and the influence of critical and speculative thought in science and philosophy. Prerequisite: Christian Doctrine 321-322. T.Th. 2:00-3:30. **3 s.h.** ASSISTANT PROFESSOR OUTLER

427-428. Thesis Seminar.—A seminar in thesis guidance. For students majoring in the Department of Christian Doctrine. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) DEPARTMENTAL STAFF

CHURCH HISTORY

233. Church History to the Reformation.—A survey of the growth of the Christian Church from the Apostolic Age to the Reformation. M.W.F. at 10:20. **3 s.h.** ASSISTANT PROFESSOR PETRY

234. History of the Evangelical Movement.—Beginning with the Lutheran Reformation, this course traces the rise, growth, influence, and history to 1800 of the Calvinistic, Anglican, Reformed, Quaker, Baptist, and Methodist movements. M.W.F. at 10:20. **3 s.h.** PROFESSOR GARBER

331. The Social Message of the Early and Medieval Church.—A study of the social teachings of the Christian Church prior to the Protestant Reformation, stressing the contributions of Christianity to social progress. Prerequisite: Church History 233-234. T.Th.S. at 8:00. **3 s.h.** ASSISTANT PROFESSOR PETRY

332. The Medieval Church.—Outstanding characteristics of the Medieval Church, emphasizing theory, polity, institutions, sacraments, and worship. Prerequisite: Church History 233-234. T.Th.S. at 8:00. **3 s.h.** ASSISTANT PROFESSOR PETRY

335-336. The Church in America.—The church as a factor in the social, economic, and political life of America. Prerequisite: Church History 233-234. T.Th.S. at 10:20. **6 s.h.** PROFESSOR GARBER
[Not offered in 1943-44]

337. Religion in the Southern States since the Civil War.—A study of the religious life of the Southern people since 1865. Prerequisite: Church History 233-234. 3 s.h.

PROFESSOR GARBER

[Not offered in 1943-44]

339. Methodism.—A study of the beginnings and growth of the Methodist societies in England, of early Methodism in America, and of the development of the several branches of the Methodist Church in America. Prerequisite: Church History 233-234. T.Th.S. at 10:20. 3 s.h.

PROFESSOR GARBER

340. Church Reformers and Christian Unity.—The work of such reformers as Marsilius of Padua, William of Ockham, John Gerson, Pierre d'Ailly and Nicholas of Cusa in relation to ecclesiastical schism and the search for Christian unity through representative councils. T.Th.S. at 10:20. 3 s.h.

ASSISTANT PROFESSOR PETRY

341. A History of Christian Renunciation in the Middle Ages.—A study of the renunciatory ideal and of spiritual practices with special reference to Benedictines, Franciscans, Lowland mystics, and leading seculars. Prerequisite: Church History 233-234. M.W.F. at 9:10. 3 s.h.

ASSISTANT PROFESSOR PETRY

431. Modern Religious Leaders.—A study of outstanding individuals who have influenced the thought and program of the modern church. The life, work, and contributions of about twenty representative Christian leaders. Prerequisite: Church History 233-234. M.W.F. at 9:10. 3 s.h.

[Not offered in 1943-44]

PROFESSOR GARBER

432. Religious Leaders of the Early and Medieval Church.—Among those to be studied are Justin Martyr, Origen, Cyprian, Athanasius, Jerome, Augustine, Benedict of Nursia, Gregory VII, Abelard, Innocent III, Francis of Assisi, Thomas Aquinas, and John Wyclif. Prerequisite: Church History 233-234. M.W.F. at 10:20. 3 s.h.

ASSISTANT PROFESSOR PETRY

437-438. Thesis Seminar.—Principles and practice of research. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.)

DEPARTMENTAL STAFF

HOMILETICS

341. Theory and Practice of Preaching.—Investigation of practical problems in preaching to determine causes of success and failure. Practice preaching. T.Th.S. at 9:10. 3 s.h.

PROFESSORS HICKMAN AND MYERS

342. Sermon Construction.—Problems in sermon construction. Analysis of selected sermons. Practice preaching. T.Th.S. at 9:10. 3 s.h.

PROFESSORS HICKMAN AND MYERS

343. Psychology of Preaching.—Psychological study of the preaching motive and of the relation of the preacher to his congregation and to the social order. T.Th.S. at 10:20. 3 s.h.

PROFESSOR HICKMAN

[Not offered in 1943-44]

344. Pastoral Psychology.—Study of psychological and psychiatric principles bearing upon pastoral work. T.Th.S. at 10:20. 3 s.h.

[Not offered in 1943-44]

PROFESSOR HICKMAN

345. Doctrinal Preaching.—A study of doctrinal preaching in an age of changing intellectual and social perspectives. Prerequisite: Hom. 341-342. T.Th.S. at 10:20. 3 s.h.

PROFESSOR HICKMAN

346. Major Types of Preaching.—An examination of the several types of preaching with special attention to the expository, ethical, and biographical types. Prerequisite: Hom. 341. T.Th.S. at 10:20. 3 s.h.

PROFESSOR HICKMAN

347. History of Preaching.—A study of significant periods and their representative preachers, to determine their value for modern preaching. Prerequisite: Hom. 341-342. T.Th.S. at 11:30. 3 s.h.

PROFESSOR MYERS

348. Materials of Preaching.—A critical evaluation of selected portions of the Bible and of some non-Biblical materials for constructive modern preaching. Prerequisite: Hom. 341. T.Th.S. at 11:30. 3 s.h.

PROFESSOR MYERS

PRACTICAL THEOLOGY

351. Church Administration.—The minister's qualifications for church administration; the minister's service in managing the church organization and supervising the program. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ORMOND

352. Parish Evangelism.—A study of effective modern methods of evangelism in the local church. T.Th.S. at 11:30. 3 s.h.

PROFESSOR ORMOND

353. The Rural Church.—A study of rural conditions with special emphasis upon the church as a community institution. M.W.F. at 10:20. 3 s.h.

PROFESSOR ORMOND

354. Public Worship and Ordinances of the Church.—The principles and practice of public worship; attention to the use of the ritual in the church. M.W.F. at 10:20. 3 s.h.

PROFESSOR ORMOND

356. The Urban Church.—A study of the function of the church in towns and cities with special attention to the church in industrial centers. M.W.F. at 9:10. 3 s.h.

PROFESSOR ORMOND

[Not offered in 1943-44]

358a. Church Music.—A study of hymnology, song leading, and problems of the modern church choir. W.F. at 2:00. 3 s.h.

MR. BARNES

453-454. Practicum on Rural Church Work.—(Required of all students holding appointments on the Duke Endowment. No academic credit.) W. at 4:00.

PROFESSOR ORMOND

457-458. Thesis Seminar.—A seminar in thesis guidance. For students majoring in the Department of Practical Theology. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.)

PROFESSOR ORMOND

***220. Rural Sociology.**—Identical with Sociology 215. M.W.F. at 9:10. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

373. Pastoral Psychology.—Identical with Homiletics 344. T.Th.S. at 10:20. 3 s.h.

PROFESSOR HICKMAN

[Not offered in 1943-44]

****459. Introduction to Psychiatry.**—Th. at 1:30. 1 s.h.

* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

** Course offered in the School of Medicine which is credited toward the degree of Bachelor of Divinity.

RELIGIOUS EDUCATION

262. The Educational Work of the Church.—A consideration of the total task of the church from an educational viewpoint. Attention will be given to such fundamental aspects as principles and objectives of the educative process, curriculum, supervision, worship and leadership education and guidance. T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE

263. The Principles and Theory of Religious Education.—The aims, principles, and theory of religious education from a Christian point of view; a study of the processes involved in the development of moral and religious personality and the fundamental conceptions underlying the theory of Christian education. Prerequisite: Religious Education 262. T.Th.S. at 9:10. 3 s.h. [Not offered in 1943-44] PROFESSOR SPENCE

363. Curriculum of Religious Education.—Educational conceptions of the curriculum; values and uses of current curricula; principles and technics of curriculum construction. Prerequisite: Religious Education 262. T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE

364. Educational Aspects of Worship.—A study of worship in its bearing upon the educational functions of the Christian religion and the principles and procedures involved in the development of the worshipful personality and group. Prerequisite: Religious Education 262. T.Th.S. at 9:10. 3 s.h. [Not offered in 1943-44] PROFESSOR SPENCE

365. The History of Religious Education.—A survey of the contributions to religious education made by leading educational systems; with special emphasis placed upon the development of religious education in America and the relation of religious education and public education. Prerequisite: Religious Education 262. T.Th.S. at 9:10. 3 s.h. PROFESSOR SPENCE

366. The Educational and Spiritual Values of Great Literature.—A study of Biblical and other great literature from the standpoint of their teaching values; analysis of material with reference to needs, interests, and capacities of various age groups. Correlation of Biblical and extra-Biblical material with a view to its adaptability for teaching and preaching purposes. Prerequisite: Religious Education 262. T.Th.S. at 9:10. 3 s.h. PROFESSOR SPENCE

367. Technic of Teaching Religion.—Objectives and principles of the teaching process, including a discussion of the major types of educational procedure. Prerequisite: Religious Education 262. T.Th.S. at 8:00. 3 s.h. PROFESSOR SPENCE

461-462. Thesis Seminar.—A seminar in thesis guidance. For students majoring in the Department of Religious Education. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR SPENCE

***206. Social Psychology.**—Open to students in the Divinity School on consent of instructor. M.W.F. at 11:30. 3 s.h. ASSOCIATE PROFESSOR ADAMS

***223. Abnormal Psychology.**—Open to students in the Divinity School on consent of instructor. M.W.F. at 2:00. 3 s.h. PROFESSOR LUNDHOLM

***228. Psychology of Belief.**—Open to students in the Divinity School on consent of instructor. T.Th. at 10:20. 2 s.h. PROFESSOR LUNDHOLM

* Course offered in the Graduate School of Arts and Sciences which is offered toward the degree of Bachelor of Divinity.

****265. Religious Drama.**—A study of the uses and underlying principles of religious drama, followed by a critical examination of selected dramatic productions. M.W.F. at 9:10. **3 s.h.** PROFESSOR SPENCE

****268. Drama Construction and Production.**—The course will deal with the use of drama in religious education with special reference to the church and church school. It is contemplated that there will be practice in teaching through dramatics, in actually creating dramatic programs of worship, and in the writing and producing of drama. M.W.F. at 9:10. **3 s.h.**

PROFESSOR SPENCE

HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World.—A survey of the religious systems of India, China, and Japan, followed by a study of Judaism, Mohammedanism, and Christianity, the object being to trace the historical development of each religion. T.Th.S. at 10:20. **3 s.h.** PROFESSOR CANNON

282. Missionary Promotion.—The history and promotion of the missionary enterprise at the home base and abroad. T.Th.S. at 10:20. **3 s.h.**

PROFESSOR CANNON

283. The Religions of the Far East.—A study of the religious systems of China, Korea, and Japan. T.Th.S. at 9:10. **3 s.h.** PROFESSOR CANNON
[Not offered in 1943-44]

284. Comparative Religion I.—The ideas of God, sin, and salvation in the religions of the world. Prerequisite: 281. M.W.F. at 9:10. **3 s.h.**
[Not offered in 1943-44] PROFESSOR CANNON

286. Comparative Religion II.—Ideas of the future life and ethical and social ideals in the religions of the world. Prerequisite: 281. M.W.F. at 9:10. **3 s.h.** PROFESSOR CANNON

287. Mohammedanism.—The life of Mohammed and the religion of Islam, special attention being given to the Koran and its teachings. The aim is to interpret Mohammedanism as a force today. Prerequisite: 281. M.W.F. at 9:10. **3 s.h.** PROFESSOR CANNON
[Not offered in 1943-44]

288. The Religions of India.—A study of present-day religious movements in India, with special reference to Hinduism. T.Th.S. at 9:10. **3 s.h.** PROFESSOR CANNON
[Not offered in 1943-44]

289. Buddhism.—India at the rise of Buddhism. Life of the Buddha and the teachings of early Buddhism. Development into the Hinayana and Mahayana schools, its spread and present condition in southern and eastern Asia. Prerequisite: 281. M.W.F. at 9:10. **3 s.h.** PROFESSOR CANNON

481-482. Thesis Seminar.—Problems of research in History of Religion and Missions. Open to advanced students on approval of the instructor. Prerequisite: six semester hours in the department. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR CANNON

PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics I.—An historical and systematic study of Christian conceptions of the moral life. T.Th.S. at 11:30. **3 s.h.** PROFESSOR SMITH

**** Course offered in Trinity College of Duke University which is credited toward the degree of Bachelor of Divinity.**

292. Christian Ethics II.—A critical consideration of selected contemporary social problems from the viewpoint of the Christian ethic. T.Th.S. at 11:30. 3 s.h. PROFESSOR SMITH

293. The Christian Religion and Modern Thought.—A consideration of certain conspicuous features in the thought of our times as they bear upon the Christian faith and the problems of the religious man. W.F. at 2:00-3:15. 3 s.h. ACTING PROFESSOR DUBS

294. The Christian Religion and Values.—The problem of the meaning of human life as discussed in modern theories of values. The Christian conception of values and their relative emphasis as contrasted with some contemporary opposing views. W.F. at 2:00-3:15. 3 s.h. ACTING PROFESSOR DUBS

295. Philosophical Foundations of Religious Belief I.—The nature of religion, its types and their characteristics as bearing upon contemporary Christianity. T.Th. at 2:15-3:30. 3 s.h. ACTING PROFESSOR DUBS
[Not offered in 1943-44]

296. Philosophical Foundations of Religious Belief II.—The problems of knowledge and value; the values of religion; the ideal religion; an attempt to formulate a tenable theistic philosophy. T.Th. at 2:15-3:30. 3 s.h. ACTING PROFESSOR DUBS
[Not offered in 1943-44]

393. Religious Thought in Colonial America.—A survey of the main developments in colonial religious thought, including Christian ethics. M.W.F. at 10:20. 3 s.h. PROFESSOR SMITH

394. Religious Thought in Modern America.—A survey of the main currents in later American religious and ethical thought, with special attention to liberal Protestantism. M.W.F. at 10:20. 3 s.h. PROFESSOR SMITH

397. Seminar in American Religious Thought.—Selected problems, chiefly of the nineteenth century. T. at 3:30. 2 s.h. PROFESSOR SMITH
[Not offered in 1943-44]

398. Seminar in Christian Ethics.—A critical study of selected problems. T. at 3:30. 2 s.h. PROFESSOR SMITH

399. Seminar in Theology and Ethics.—Readings and critical analysis of the theological and ethical thought of the main figures of the nineteenth century, including both European and American thinkers. Prerequisites: Christian Doctrine 322 and Philosophy of Religion and Christian Ethics 291. T. at 3:30. 2 s.h. PROFESSOR SMITH AND ASSISTANT PROFESSOR OUTLER

491-492. Thesis Seminar.—A seminar in thesis guidance for students majoring in the department. (Upon satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR SMITH

***203. The Philosophy of Conduct.**—A critical study of the fundamental problems of ethics. M.W.F. at 9:10. 3 s.h. ASSOCIATE PROFESSOR MORGAN

***209. Philosophy of Religion I: Philosophical Introduction.**—Religion viewed with the standpoint of consideration of deity. T.Th. at 2:15-3:30. 3 s.h. PROFESSOR WIDGERY

***210. Philosophy of Religion II: Philosophical Introduction.**—Religion viewed from the standpoint of the nature of man, his origin and destiny. T.Th. at 2:15-3:30. 3 s.h. PROFESSOR WIDGERY

* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

***226. The History of Ethics.**—Theories of morality from Socrates to the present time. M.W.F. at 9:10. 3 s.h. ASSOCIATE PROFESSOR MORGAN

SOCIOLOGY

At least five semester hours of undergraduate sociology are prerequisite to all courses of the Department, except 236, 238 and 299. Students whose undergraduate training in sociology has been inadequate but who wish to pursue further work in the Department are advised to consult with the chairman of the Department of Sociology regarding the removal of their deficiency as soon as possible after matriculation in the Divinity School.

236. Social Ethics.—On what intellectually and scientifically sound basis can we formulate fundamental values and practical programs on economic, political and educational problems? How can potential leaders acquire the skills required for rendering their fullest service to their fellowmen? What agreements and what issues exist among writers on social ethics on such questions? M.W. at 2:30-4:00. 3 s.h. PROFESSOR HART

238. Religion and the World Crisis.—An inquiry into the bearings of religion upon past social evolution and upon the possible future development of civilization. T.Th.S. at 8:00. 3 s.h. PROFESSOR HART

299. Marriage and Family Counseling.—A survey of practical problems in the light of social, psychological, and spiritual fundamentals, for persons preparing for professional work. M.W. 2:30-4:00. 3 s.h. PROFESSOR HART

421-422. Thesis Seminar.—A seminar in thesis guidance for students majoring in sociology. Hours to be arranged. (Upon the satisfactory completion of the thesis the student receives six semester hours' credit for the thesis.) PROFESSOR HART

***205. Social Pathology.**—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society; poverty, physical defectiveness, malnutrition, mental deficiency, mental disease, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. T.Th.S. at 8:00. 3 s.h. PROFESSOR JENSEN

***206. Criminology.**—A study of the original tendencies of man and the problem of socializing these tendencies; the relations of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. T.Th.S. at 8:00. 3 s.h. PROFESSOR JENSEN

***212 Child Welfare.**—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. 3 s.h. [Not offered in 1943-44] PROFESSOR JENSEN

***215. Rural Sociology.**—A study of the societies developed by people who settle the land and exploit it for a livelihood. The institutions peculiarly rural are the family farm, the peasant village, the ranch, and the plantation. In this course special attention is given to the plantation and the rural problems of the South. M.W.F. at 9:10. 3 s.h. ASSOCIATE PROFESSOR THOMPSON

* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

***216. Urban Sociology.**—This course studies the function of the city in the larger community which it nucleates both as market and as industrial center. More detailed attention, however, is given to the inner life and problems of the city. M.W.F. at 9:10. **3 s.h.** ASSOCIATE PROFESSOR THOMPSON

***319. Principles of Sociology.**—A critical study of sociological theory. The sociological theories of recent writers will be critically examined with a view to laying the foundation for a constructive theory of the social life in modern biology and psychology. T.Th.S. at 11:30. **3 s.h.**
[Not offered in 1943-44] PROFESSOR JENSEN

***320. History of Social Philosophy.**—Lectures on the development of social thought from Aristotle to the present; the social philosophies of Plato, Aristotle, St. Augustine, Thomas Aquinas, Machiavelli, Bodin, Hobbes, Locke, Vico, Montesquieu, Rousseau, Condorcet, and the sociological systems of Comte, Spencer, Shaeffle, Lilienfeldt, Gumplowicz, Ratzénhofer, and Ward, will, among others, be considered. T.Th.S. at 11:30. **3 s.h.**

PROFESSOR JENSEN

* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

GENERAL INFORMATION

FEES

Tuition is remitted to students matriculated in the Divinity School, for which they are expected to render from time to time service which shall not interfere with their work in the Divinity School.

Each student is assessed per semester as follows:

Matriculation Fee	\$25.00
Library Fee	5.00
Athletic Fee	5.00
Publication Fee (optional)	2.50
Hospital Fee	5.00
Damage Fee	1.00

Each student is assessed, in the last semester before a degree is conferred, a Commencement Fee of \$3.00 and a Diploma Fee of \$5.00. The latter fee is refunded if the diploma is not awarded.

LATE REGISTRATION

Students matriculating in either semester at a date later than that prescribed in the catalogue shall pay to the Treasurer of the University a penalty of \$5.00.

ROOMS

All rooms in the dormitories are provided with heat, water, and electric light. Each student furnishes his own blankets, sheets, pillow slips, towels, and pillows. Students must furnish their own electric lamps, which can be purchased from the University Store.

Rooms for a given year may be engaged at the office of the Director in the Business Division at any time before May 15 of the preceding year. Every student who wishes to retain his room for the succeeding year must notify the office of the Director in the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. A reservation is canceled, and the University is free to rent the room to other students, unless a deposit of \$25.00 for each proposed occupant, in part payment of the rent, is made by August 1. Further information concerning the rental of rooms can be secured from the Dean of the Divinity School.

BOARDING HALLS

The University dining hall in the University Union has accommodations for all the resident men students. It is the policy of the University to furnish board to the students at actual cost. The Union is the logical

center of student activities, and all male students are advised to board in its supervised halls.

STUDENT AID

Scholarships are available for students, the terms of which may be ascertained by correspondence with the Dean of the Divinity School. Aid is also given in securing positions in churches. Students who need financial help may be assured that the administration will do all in its power to give the necessary assistance.

N. EDWARD EDGERTON SCHOLARSHIP FUND

In 1939 Mr. N. Edward Edgerton, of Raleigh, North Carolina, an alumnus of Duke University of 1921 and a former president of the Duke University Alumni Association, established the N. Edward Edgerton Scholarship Fund in the Divinity School. The purpose of the Edgerton Fund as specified by the donor is a "scholarship or scholarships to be awarded only to students who are candidates for the B.D. degree in the Divinity School."

THE LIBRARY

The Divinity School has its own library, conveniently housed in the Divinity School Building. The Library, which contains materials dealing with the subject of religion, already numbers nearly thirty thousand volumes. It has been carefully selected and is the equivalent in working efficiency of many libraries which are much larger. It is already rich in complete files of the more important journals and periodicals, in sets containing source materials for the study of the history of religion and missions, in facsimiles of the more important manuscripts of the New Testament, and in source materials in the field of American church history. The Library is being rapidly expanded. One of the outstanding possessions of the Library is a magnificent Greek manuscript of the thirteenth or fourteenth century containing the entire text of the New Testament.

Besides this special library, students of the Divinity School have the use of the General Library of the University, the Library of the School of Law, and the Library of the School of Medicine. All these libraries are located near the Divinity School Building.

MASTER OF ARTS AND DOCTOR OF PHILOSOPHY DEGREES IN RELIGION

Graduate study in religion leading to the degrees of Master of Arts and Doctor of Philosophy may be pursued under the administrative direction of the Graduate School of Arts and Sciences.

Work toward these advanced degrees is available in three general fields: (1) Biblical Studies (Professor Branscomb, Adviser); (2) Studies in Church History (Professor Garber, Adviser); and (3) Studies in Christian Theology and Ethics (Professor Smith, Adviser). Courses

approved by the Graduate Council for work in these fields are listed in the *Bulletin of the Graduate School*.

Students desiring additional graduate study for a degree beyond that of Bachelor of Divinity should apply to Calvin B. Hoover, Dean of the Graduate School of Arts and Sciences.

FACILITIES FOR ADVANCED STUDY IN THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH

The Divinity School of Duke University is one of the supporting members of the American Schools of Oriental Research. This grants to students in the Divinity School the privilege of attending the American School in Jerusalem or the one in Bagdad without charge for tuition. They are also able to compete for the financial aids that are offered annually by the Schools. These consist of four fellowships, the stipends depending upon available funds.

RELIGIOUS LIFE

The students of the Divinity School are expected to attend the regular University Chapel services which are held on Tuesday and Friday of each week. Special chapel services for the Divinity School are held each Monday and Wednesday.

In this, as in other features of the University life, the students of the Divinity School are urged to identify themselves with the life of the whole student group.

DATE OF REGISTRATION

Classwork in the Divinity School for the academic session of 1943-44 will begin on Monday, September 20, 1943. The registration of students in the Divinity School will be held on Saturday, September 18, 1943.

ADDITIONAL INFORMATION

Requests for information not contained in this bulletin should be addressed to the Dean of the Divinity School, Duke University, Durham, North Carolina.

Announcement

COURSES IN RELIGION

DUKE UNIVERSITY SUMMER SESSION

1943

DURHAM, NORTH CAROLINA

First Term: June 8-July 19

Second Term: July 20-August 30

ADMINISTRATIVE OFFICERS

ROBERT LEE FLOWERS, A.M., LL.D.
PRESIDENT OF DUKE UNIVERSITY

HOLLAND HOLTON, A.B., J.D.
DIRECTOR OF THE SUMMER SESSION AND CHAIRMAN OF THE
UNIVERSITY COMMITTEE ON THE SUMMER SESSION

ADVISORY COMMITTEE ON COURSES IN RELIGION

PAUL NEFF GARBER, A.B., A.M., Ph.D., *Chairman*
DEAN OF THE DIVINITY SCHOOL

HILRIE SHELTON SMITH, A.B., Ph.D., D.D., Litt.D.
DIRECTOR OF GRADUATE STUDIES IN RELIGION

HIRAM EARL MYERS, A.B., S.T.B., S.T.M.
DIRECTOR OF UNDERGRADUATE STUDIES IN RELIGION

FACULTY

CANNON, JAMES, III; A.B., Duke; A.M., Princeton; Th.B., Th.M., Princeton Theological Seminary; D.D., Birmingham-Southern College; RELIGION (Duke University).

MYERS, HIRAM EARL; A.B., Duke; S.T.B., S.T.M., Boston University School of Theology; RELIGION (Duke University).

SMITH, HILRIE SHELTON; A.B., Elon; Ph.D., Yale; D.D., Defiance College; Litt.D., Elon; RELIGION (Duke University).

SPENCE, HERSEY EVERETT; A.B., A.M., B.D., Duke; D.D., Asbury; Litt.D., High Point College; RELIGION (Duke University).

STINESPRING, WILLIAM FRANKLIN; B.A., M.A., University of Virginia; Ph.D., Yale; RELIGION (Duke University).

COURSES IN RELIGION

DUKE UNIVERSITY SUMMER SESSION

Courses in religion and related fields will be offered in the Duke University Summer Session of 1943. These courses are subject to all the regulations of the Duke University Summer Session as published in the Summer Session Bulletin. The undergraduate credits secured will count on the Bachelor of Arts degree. Graduate credits will count on the Bachelor of Divinity, Master of Arts and Doctor of Philosophy degrees. These credits may, of course, be transferred to other colleges, universities, and theological schools in the same way that such transfer of credit is usually made.

CALENDAR AND REGISTRATION

The first term will open June 8 and close July 19. The second term will open July 20 and close August 30.

For the first term, Tuesday, June 8, is registration day. For the second term, Tuesday, July 20, is registration day.

FEES AND EXPENSES

Every student pays a registration fee of twenty dollars for each term of six weeks. Tuition is four dollars for each semester hour. Ministers and theological students are exempt from tuition fees for as many as four terms of six weeks in the period of six years. After their fourth term they pay regular tuition charges.

ROOM AND BOARD

Most of the rooms in the dormitories are double rooms. The rent is \$12.50 per occupant for six weeks in the men's dormitories and \$13.50 per occupant in the women's dormitories. Single rooms are available at \$17.50 for the term of six weeks for men and \$18.50 for women. There is no dormitory for married men who wish their wives to come with them and no accommodations whatever for children on the campus. The Divinity School and Summer Session, however, are glad to assist students in locating accommodations off the campus. Occupants of the University rooms furnish their own bed linen, blankets, pillows, and towels.

Occupants of the University dormitories by boarding in the regular dining room of the University receive a discount of \$1.00 from the regular charge of \$45.00 for board for six weeks. Students who do not wish to eat in the regular dining room may obtain more expensive service a la carte in the Union Coffee Shop.

ADVANCED DEGREES

The degree of Bachelor of Divinity is offered in the Divinity School.

The degrees offered in the Graduate School of Arts and Sciences are Master of Arts and Doctor of Philosophy.

Graduate study in religion leading to the degrees of Master of Arts and Doctor of Philosophy may be pursued in three fields: (1) Biblical Studies; (2) Studies in Church History; and (3) Studies in Christian Theology and Ethics.

Candidates for advanced degrees must be graduates of colleges of recognized standing.

Upon request the Director of the Summer Session or the Dean of the Divinity School will furnish bulletins containing detailed description of the academic requirements for the degrees of Bachelor of Divinity, Master of Arts and Doctor of Philosophy.

CREDITS

Courses numbered from 50-99 are for college sophomores and juniors, 100-199 are for college juniors and seniors. Courses numbered from 200-299 are for college seniors, students in the Divinity School, and graduate students; courses numbered from 300 up are for Divinity School and graduate students. The maximum credit for a term of six weeks is six semester hours.

RELIGIOUS SERVICES

University religious services are held each Sunday morning at eleven o'clock, to which all students are invited. In the summer of 1942 the student choir, a voluntary organization, enrolled over one hundred and fifty students. A series of organ recitals is also given Sunday afternoon and at other times each week in the University Chapel.

RECREATION AND ENTERTAINMENT

At the time of registration every student receives a season ticket to all recreation and lecture programs. In addition to admission to special lectures and other features of entertainment provided, this ticket entitles the student to use of the tennis courts and of the swimming pools, which are open an hour and a half daily for various groups of students; also to social events limited to students. There are also an evening play hour sponsored by the Department of Physical Education and a Sunday evening "sing" that has grown to be a tradition among the quadrangle students.

State clubs, organized by students from West Virginia, Pennsylvania, and Ohio southward to Florida and Mississippi, cooperate with the Social Director to provide wholesome recreational life for the students. The first Thursday evening of each term is set aside for the opening general assemblies of students and Faculty.

COURSES OF INSTRUCTION*

(NOTE. In the description of courses the following abbreviations occur: *A* means that the course comes the first eighty-five minutes daily, beginning at 8:00; *B* means that the course comes at the eighty-five minute period beginning at 9:40; *C* means that the course comes at the eighty-five minute period beginning at 11:20; *D* means that the course comes at the eighty-five minute period beginning at 2:15; *I* means that the course is offered the first term; *II* that it is offered the second term.)

RELIGION

S51. The History of the Hebrew People.—A study of the Hebrew people that gives attention to their political history, their religious and social institutions, their literary development, with special reference to their contributions to civilization. A. C. I. 3 s.h. MR. MYERS

[Offered full time for three weeks beginning May 25.]

S52. New Testament Life and Literature.—A study of the literature of the New Testament, its historical background, and its religious value. A. C. I. 3 s.h. MR. MYERS

[Offered full time for three weeks beginning June 15.]

S167. Contemporary Religious Problems.—A course that deals with the main interests of life from the standpoint of their social and religious significance. C. I. 3 s.h. MR. SPENCE

S285. The Religions of the Far East.—A study of the religious systems of China, Korea, and Japan. B. I. 3 s.h. MR. CANNON

S292. Christian Ethics II.—A critical consideration of selected contemporary social problems from the viewpoint of the Christian ethic. A. I. 3 s.h. MR. SMITH

S309. History of the Ancient Near East.—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in the light of Biblical archaeology. B. II. 3 s.h. MR. STINESPRING

S310. Old Testament Prophecy.—A study of the social teachings of the Old Testament with special reference to the prophets of the eighth century B.C. C. II. 3 s.h. MR. STINESPRING

S394. Religious Thought in Modern America.—A survey of the major movements in American religious and ethical thought since 1850, with special attention to liberal Protestantism. C. I. 3 s.h. MR. SMITH

RELATED COURSES

Education 288. Problems of Mental Hygiene and Education.—B. I. MR. ADAMS

Education 304. The School as an Institution.—D. I. MR. GOLDTHORPE

Education 305. The Nature, Function, and Reorganization of the Curriculum.—A. I. MR. CARR

*The University reserves the right to withdraw any course in which less than ten enroll. Students interested, should, therefore apply promptly.

Education 317. The Psychological Principles of Education.—B. I. II.

MR. BROWNELL

Sociology 206. Criminology.—A. I.

MR. JENSEN

Sociology 212. Child Welfare.—B. I.

MR. JENSEN

Sociology 234. Social Ethics.—A. C. II (first three weeks).

MR. HART

Address application or requests for information to the DEAN OF THE DIVINITY SCHOOL, Duke University, Durham, North Carolina, or the DIRECTOR OF DUKE UNIVERSITY SUMMER SESSION, Duke University, Durham, North Carolina.

CANDIDATES FOR THE DEGREE OF BACHELOR OF DIVINITY JUNIOR CLASS

Bailey, Ulysses Grant A.B., Emory and Henry College, 1943.	McComas, W. Va.
Beal, Paul R. A.B., Morris Harvey College, 1942.	Glenville, W. Va.
Belcher, Arnold Dwane A.B., Emory and Henry College, 1942.	Hinton, W. Va.
Blake, Frank William A.B., West Virginia Wesleyan College, 1942.	Milton, W. Va.
Booth, Robert Irvin A.B., University of Richmond, 1932.	Danville, Va.
Brinson, John Clinton A.B., Kentucky Wesleyan College, 1942.	Owensboro, Ky.
Broadhead, Edward Hall A.B., Denison University, 1931; A.M., Duke University, 1933; M.Mus., University of Michigan, 1939	Durham, N. C.
Clodfelter, Roby Clyde B.S., High Point College, 1942.	Wallburg, N. C.
Cooke, Jack Homer A.B., Lenoir-Rhyne College, 1942.	Maiden, N. C.
Dalton, George Willie A.B., High Point College, 1943.	Lewisville, N. C.
Dennis, Paul Martin A.B., Wake Forest College, 1943.	Mt. Gilead, N. C.
Ehlhardt, George Brinkmann A.B., John B. Stetson University, 1933.	St. Louis, Mo.
Elliott, Mahlon Hamlet A.B., Asbury College, 1942.	Danville, Va.
Everett, Caleb Roy, Jr. A.B., Randolph-Macon College, 1942.	Newsoms, Va.
Forshee, James Woodrow A.B., Birmingham-Southern College, 1942.	Sylacauga, Ala.
Fridley, Robert Daniel A.B., Randolph-Macon College, 1942.	Elkton, Va.
Fuqua, Robert Meek A.B., Duke University, 1943.	Bluefield, W. Va.
Greene, Franklin William A.B., Baker University, 1942.	St. Louis Mo.
Gross, Dawyer Dincoff A.B., Wake Forest College, 1942.	Roanoke, Va.
Hager, Parker Holmes A.B., High Point College, 1942.	Concord, N. C.
Hamm, John Madison A.B., High Point College, 1942.	Tobaccoville, N. C.
Hogg, William Richey A.B., Duke University, 1943.	Pittsburgh, Pa.
Jackson, Lester Polk, Jr. A.B., Texas College of Mines, 1942.	El Paso, Tex.

Jolly, Joseph Ralph A.B., Birmingham-Southern College, 1942.	Tallassee, Ala.
Jones, Haniel A.B., Millsaps College, 1942.	Mobile, Ala.
Jones, Murray Hughlon A.B., Teachers College of Kansas City, 1942.	Kansas City, Mo.
Kimball, John Ross A.B., Lynchburg College, 1942.	Lynchburg, Va.
Lowder, John Albert A.B., High Point College, 1942.	Mocksville, N. C.
McCarver, Clyde Gay A.B., University of Georgia, 1942.	Vidette, Ga.
McRee, Napoleon Barnett A.B., Kentucky Wesleyan College, 1942.	Central City, Ky.
Oates, Wayne A.B., Wake Forest College, 1940.	Durham, N. C.
Perry, Charles Streamburg A.B., Kentucky Wesleyan College, 1942.	Paintsville, Ky.
Polk, Charles A.B., Wofford College, 1942.	Varnville, S. C.
Purcell, Eugene George, Jr. A.B., Duke University, 1942.	Erwin, N. C.
Ray, Milton Undrel A.B., West Virginia Wesleyan College, 1942.	Cambridge, Md.
Ridenhour, Henry Isley A.B., High Point College, 1942.	Cooleemee, N. C.
Sales, Reames Hawthorne A.B., Hendrix College, 1942.	Forrest City, Ark.
Smith, Otis Dewey A.B., High Point College, 1942.	Valdese, N. C.
Stevenson, Durwood Everette B. A.B., Texas Wesleyan College, 1942.	Fort Worth, Tex.
Tucker, Roger Wilkins A.B., High Point College, 1943.	Madison, N. C.
Turner, Archer Rudder A.B., Lynchburg College, 1942.	Lynchburg, Va.
Wallace, Aldred Pruden A.B., Fairmont State Teachers College, 1942.	Hopewell, Va.
Wagh, Ray Paschal A.B., Lenoir Rhyne College, 1942.	Hiddenite, N. C.
Williams, Harley Morrison A.B., High Point College, 1942.	Asheville, N.C.

MIDDLE CLASS

Albright, William Edward A.B., Emory and Henry College, 1941.	Bluefield, W. Va.
Bame, Robert Lee A.B., Wofford College, 1941.	Carolina Beach, N. C.
Bell, Roy Edison A.B., Catawba College, 1941.	Spencer, N. C.
Boggs, Charles Marvin A.B., Wofford College, 1941.	Salisbury, N. C.

- Byrum, Roy Delbert
A.B., High Point College, 1941.
- Carlton, Arthur McCoy
A.B., Birmingham Southern College, 1941.
- Chaffin, James Claude
A.B., Duke University, 1941.
- Conyers, David Paxton
A.B., Hendrix College, 1941.
- Cummins, Paul Kinsey, Jr.
A.B., Western Maryland College, 1941.
- England, Arthur Leamon
A.B., University of Kansas City, 1941.
- Evans, Robert Weldon
A.B., Hendrix College, 1941.
- Fleming, Murry Douglas
A.B., Southern Methodist University, 1941.
- Ford, Jesse Emerson, Jr.
A.B., Wofford College, 1941.
- Gregory, Walter Bryan
A.B., High Point College, 1942.
- Hendrix, Major Clyde
A.B., University of South Carolina, 1941.
- Hornbuckle, James Pinkney, Jr.
A.B., Lenoir Rhyne College, 1941.
- John, Ralph Candler
A.B., Berea College, 1941.
- Jones, George Wesley
A.B., Randolph-Macon College, 1941.
- Kennedy, Arthur Cicero, Jr.
A.B., High Point College, 1941.
- Knight, James Allen
A.B., Wofford College, 1941.
- McDonald, Thaddeus LeVerne
B.S., Birmingham-Southern College, 1941.
- McGuire, Douglas Lyons
A.B., Louisiana Polytechnic Institute, 1941.
- McLain, Robert Wayne
A.B., Berea College, 1941.
- Mitchell, Charles Maness
A.B., Duke University, 1941.
- Moore, Jack Warren
A.B., Olivet College, 1934.
- Musser, Benjamin Franklin
A.B., Hendrix College, 1941.
- Needham, George Harlan
A.B., High Point College, 1941.
- Pannill, Harry Burnell
A.B., Randolph-Macon College, 1941.
- Patterson, Howard Carlton
A.B., University of North Carolina, 1941.
- Phifer, Ernest Carl
A.B., Stephen F. Austin State Teachers College, 1940.
- Charlotte, N. C.
- Montgomery, Ala.
- Jonesboro, N. C.
- Sidney, Ark.
- Washington, D. C.
- Livingston, Ala.
- Batesville, Ark.
- Gainesville, Tex.
- Orangeburg, S. C.
- Angier, N. C.
- West Columbia, S. C.
- Seagrove, N. C.
- Parkersburg, W. Va.
- Norfolk, Va.
- Midland, N. C.
- St. George, S. C.
- Gadsden, Ala.
- Arcadia, La.
- Statesville, N. C.
- Buies Creek, N. C.
- Greensboro, N. C.
- Savannah, Ga.
- High Point, N. C.
- Waynesboro, Va.
- Burlington, N. C.
- Leona, Tex.

Pitts, Howard Stillwell A.B., Texas College of Mines, 1941.	Salt Lake City, Utah
Preston, Norman G., Jr. B.S., Louisiana State University, 1940.	Shreveport, La.
Register, Kenneth Davis A.B., Elon College, 1941.	Burlington, N. C.
Rock, William Alfred, Jr. A.B., Wofford College, 1941.	Lewisville, N. C.
Royals, Worth Burton A.B., High Point College, 1941.	Trinity, N. C.
Stevenson, Linwood Jennings A.B., Emory and Henry College, 1941.	Montross, Va.
Vereen, LaFon Carpenter B.S., Clemson College, 1941.	Latta, S. C.
Wagoner, Rupert Gilmer A.B., High Point College, 1939.	Greensboro, N. C.
Ware, Lee Wilson A.B., Hendrix College, 1942.	Springdale, Ark.

SENIOR CLASS

Andrews, Joseph Russell A.B., Wofford College, 1939.	Forest, Va.
Beard, John S. A.B., Central College, 1940.	St. Louis, Mo.
Benson, Clark William A.B., Wofford College, 1940.	Salisbury, N. C.
Boone, Sidney Grant A.B., Duke University, 1934.	Nashville, N. C.
Brown, Byron Roy A.B., Morningside College, 1940.	Sioux City, Iowa
Cagle, John Frank A.B., High Point College, 1940.	Greensboro, N. C.
Carroll, Howard A.B., University of Richmond, 1938.	Easton, Md.
Carruth, Paul B.S., Millsaps College, 1939.	Laurinburg, N. C.
Carter, James Edwin B.S., Appalachian State Teachers College, 1940.	Danville, Va.
Caviness, Woodrow Darlington A.B., Wofford College, 1940.	Siler City, N. C.
Cooper, Joel Aubrey A.B., Hendrix College, 1940.	Paragould, Ark.
Cravens, Byron Clay A.B., Hendrix College, 1940.	Marianna, Ark.
Crutchfield, Gilbert Wesley A.B., Asbury College, 1940.	Sanford, N. C.
Culbreth, George Bernice A.B., Duke University, 1940.	Chapel Hill, N. C.
Davis, William Dixon A.B., University of South Carolina, 1939.	Summerville, S. C.
DuBose, Robert Newsom A.B., Wofford College, 1936.	Florence, S. C.

- Edwards, William Alpheus
 A.B., Randolph-Macon College, 1940.
- Francisco, Ross
 A.B., Emory and Henry College, 1940.
- Galloway, Benedict Atkins
 A.B., Louisiana State University, 1938.
- Glenn, Henry Clarence, III
 A.B., Duke University, 1938.
- Hilbert, John Cassell
 A.B., Dickinson College, 1940.
- Ingram, Osmond Kelly
 A.B., Birmingham-Southern College, 1940.
- Jordan, John Sharpe
 A.B., Duke University, 1940.
- Judy, Carl Wesley
 A.B., Morris Harvey College, 1940.
- Kesler, Robert Harris
 A.B., Randolph-Macon College, 1940.
- Lynch, George Ernest, Jr.
 A.B., Duke University, 1934.
- McCoy, Lewistine Martin
 A.B., Kentucky Wesleyan College, 1940.
- McKenry, John Archibald, Jr.
 A.B., Fairmont State Teachers College, 1940.
- Mackay, Donald Mason
 A.B., Emory University, 1938.
- Major, James Edward
 A.B., Hendrix College, 1940.
- Medlin, William Tracy, Jr.
 A.B., Wofford College, 1940.
- Mercer, Charles Henry
 A.B., Wofford College, 1940.
- Merchant, James William
 A.B., Randolph-Macon College, 1940.
- Miller, Gilbert Shelly
 A.B., Lenoir Rhyne College, 1940.
- Patten, Brooks
 A.B., University of North Carolina, 1939.
- Powell, John James
 A.B., Lenoir Rhyne College, 1939.
- Rainwater, Roland William, Jr.
 A.B., Wofford College, 1940.
- Reed, Ralph Lee
 A.B., Emory University, 1940.
- Rice, John Edward
 B.S., Florida Southern College, 1940.
- Ruckman, Lee Van, Jr.
 A.B., Emory and Henry College, 1940.
- Shackford, Joseph Temple
 A.B., Duke University, 1934.
- Smith, Aubert Marlyn
 A.B., High Point College, 1935.
- Courtland, Va.
- Bluefield, W. Va.
- Zachary, La.
- Durham, N. C.
- Catonsville, Md.
- Wilmington, N. C.
- Mt. Airy, N. C.
- Charleston, W. Va.
- Roanoke, Va.
- Portland, Me.
- Lexington, Ky.
- Cartersville, Va.
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- Little Rock, Ark.
- Charlotte, N. C.
- Lumberton, N. C.
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- Louisburg, N. C.
- Reidsville, N. C.
- Roberdell, N. C.
- Monroe, N. C.
- Fort Smith, Ark.
- Lexington, Va.
- Winston-Salem, N. C.
- Kannapolis, N. C.

Steele, Chester Raymond A.B., Centenary College, 1940.	Huntington, Tex.
Stone, Joseph Lesley A.B., William and Mary College, 1939.	Martinsville, Va.
Stubbs, David Leon, Jr. A.B., Duke University, 1940.	Aurora, N. C.
Sturtevant, William Lyons A.B., Randolph-Macon College, 1939.	Portsmouth, Va.
Thumm, Milford Vernon A.B., Morris Harvey College, 1940.	Charleston, W. Va.
Wellons, Albert Wilson A.B., Lenoir Rhyne College, 1940.	Wilkesboro, N. C.
Wheeler, Kermit R. A.B., Atlantic Christian College, 1939.	Rougemont, N. C.
Whitesel, John Asbury A.B., Randolph-Macon College, 1940.	Washington, D. C.

CANDIDATES FOR THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY IN THE FIELD OF RELIGION

Cheng, Philip Peichun A.B., Hangchow Christian University, 1928; B.Th., Nanking Theological Seminary, 1934; A.M., University of Southern California, 1942.	Nanking, China
Dillinger, George Edward B.S., Ursinus College, 1930; B.D., Central Theological Seminary, 1933.	Burlington, N. C.
DuBose, Samuel Wilds A.B., Davidson College, 1931; B.D., Union Theological Seminary, 1935.	Hillsboro, N. C.
Loveland, Clara Olds A.B., Wellesley College, 1921; A.M., Columbia University, 1934; B.D., Berkeley Divinity School, 1939.	Glendale, Ohio
Munger, Bernard Vernon A.B., Washburn Municipal University, 1938; B.D., Chicago Theological Seminary, 1942.	Smith Center, Kan.
Ramsay, Charles McKay A.B., Berea College, 1938. B.D., Union Theological Seminary, 1941.	Gallatin, Tenn.
Rudisill, Dorus Paul A.B., Lenoir Rhyne College, 1922; A.M., University of South Carolina, 1925; B.D., Southern Seminary, 1925; S.T.M., Hartford Seminary, 1932.	Durham, N. C.
Saunders, Ernest William B.S. in R.E., Boston University, 1938. S.T.B., Boston University, 1940.	Durham, N. C.
Starr, Homer Pilgrim A.B., The University of the South, 1934; B.D., Virginia Theological Seminary, 1938.	Burlington, N. C.
Waggoner, Brooks Milton A.B., University of Arkansas, 1938; B.D., Duke University, 1941.	Stillwell, Okla.
Woodbridge, Charles Jahleel A.B., Princeton University, 1923; A.M., Princeton University, 1927; Th.B., Princeton Theological Seminary, 1927.	Salisbury, N. C.

**STUDENTS IN THE SUMMER SESSION, 1942
FIRST TERM**

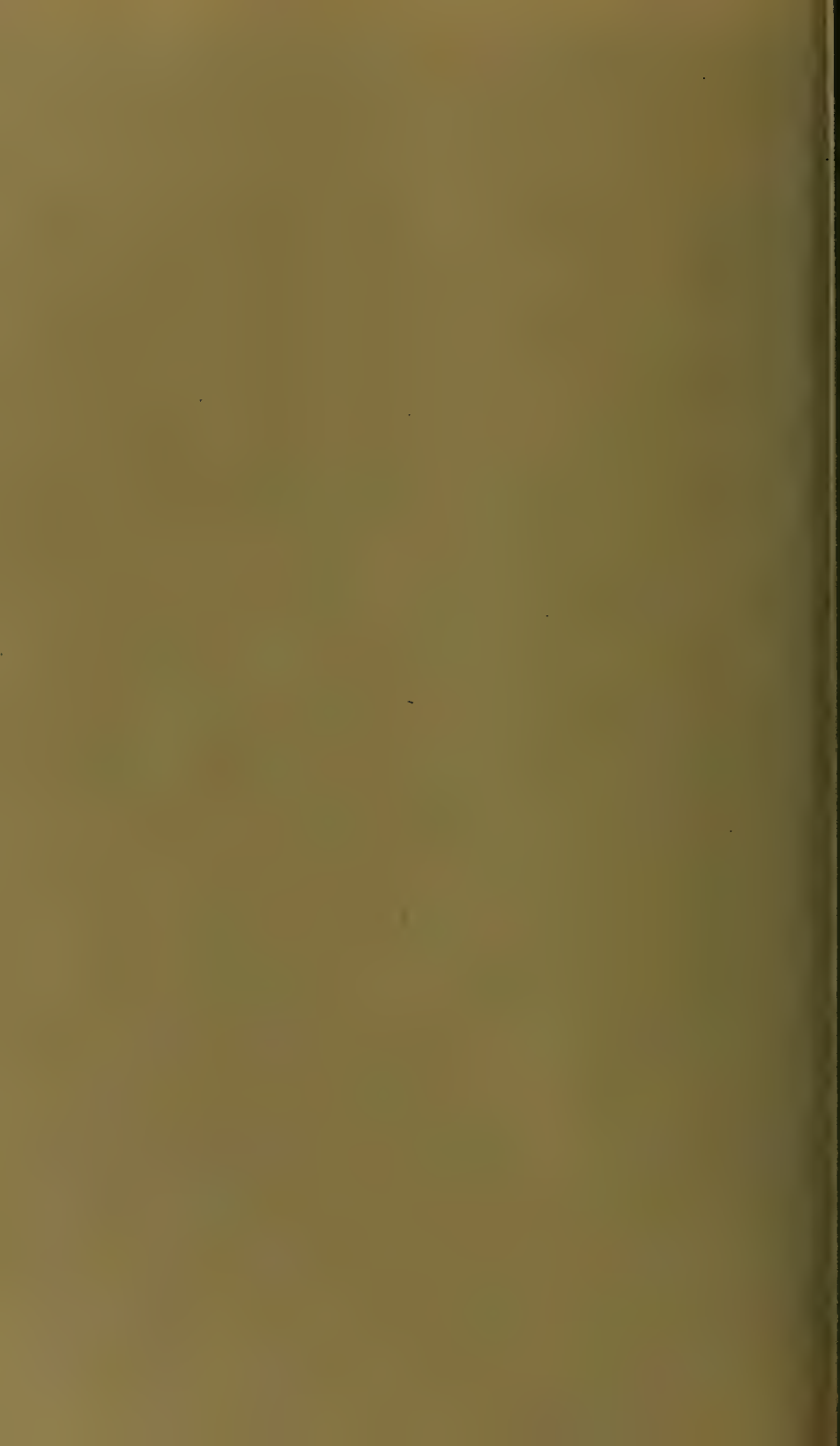
Bayless, Flora Johnson A.B., West Virginia Technical College	Dunbar, W. Va.
Bell, Roy Edison A.B., Catawba College.	Spencer, N. C.
Broadhead, Edward Hall A.B., Denison University; A.M., Duke University; M.Mus., University of Michigan.	Durham, N. C.
Cagle, John Frank A.B., High Point College.	Greensboro, N. C.
Christy, Wayne Herron A.B., Westminster College; Th.B., Pittsburgh-Nema Theological Seminary.	Pittsburgh, Pa.
Coble, Joseph Fillmore A.B., High Point College. S.T.B., Westminster Theological Seminary.	Burlington, N. C.
DuBose, Robert Newsom A.B., Wofford College.	Florence, S. C.
England, Arthur Leamon A.B., University of Kansas City.	Livingston, Ala.
Gregory, Walter Bryan A.B., High Point College.	Angier, N. C.
Harrill, Edith Grace Wildman A.B., Flora Macdonald College; A.M., Duke University.	Thomasville, N. C.
Ingram, Osmond Kelly A.B., Birmingham-Southern College	Wilmington, N. C.
King, Sara Edna A.B., Geneva College.	Beaver Falls, Pa.
McLeod, Lionel Powers A.B., Emory University.	Demopolis, Ala.
Martz, Edward E. A.B., Duke University.	Pine Grove Mills, Pa.
Patten, Brooks A.B., University of North Carolina.	Louisburg, N. C.
Price, Stella Josey A.B., Lenoir Rhyne College.	Hickory, N. C.
Ramsay, Charles McKay A.B., Berea College; B.D., Union Theological Seminary.	Gallatin, Tenn.
Spears, Julius Hubert A.B., Mercer University; Th.M., Southern Baptist Theological Seminary.	Chatham, Va.
Stokes, Silema Lawrence A.B., Winthrop College; A.M., University of North Carolina.	Spartanburg, S. C.
Stone, Jane Dunn A.B., College of William and Mary.	Martinsville, Va.
Stone, Joseph Leslie A.B., College of William and Mary.	Martinsville, Va.
Sturtevant, William Lyons A.B., Randolph-Macon College.	Portsmouth, Va.

Swenson, Ralph Martin, Jr. A.B., Duke University.	Meriden, Conn.
Trundle, Lucy Waite B.S., University of Maryland.	Ashton, Md.
Viele, Ada Brandon A.B., Woman's College of the University of North Carolina; A.M., Columbia University.	Morganton, N. C.
Wheeler, Kermit R. A.B., Atlantic Christian College.	Rougemont, N. C.

SECOND TERM

Bell, Roy Edison A.B., Catawba College.	Spencer, N. C.
Clodfelter, Roby Clyde B.S., High Point College.	Wallburg, N. C.
DuBose, Robert Newsome A.B., Wofford College.	Florence, S. C.
England, Arthur Leamon A.B., University of Kansas City.	Livingston, Ala.
Fisher, Harriet Hull A.B., Kansas University.	El Dorado, Kan.
Gregory, Walter Bryan A.B., High Point College.	Angier, N. C.
Haley, Carl Wrenn A.B., Emory and Henry College; B.D., Duke University.	Hampton, Va.
Ingram, Osmond Kelly A.B., Birmingham-Southern College.	Wilmington, N. C.
Jordan, John Sharpe A.B., Duke University.	Mt. Airy, N. C.
King, Sara Edna A.B., Geneva College.	Beaver Falls, Pa.
Lynch, George Ernest A.B., Duke University.	Portland, Me.
Patten, Brooks A.B., University of North Carolina.	Louisburg, N. C.
Spears, Julius Hubert A.B., Mercer University; Th.M., Southern Baptist Theological Seminary.	Chatham, Va.
Stone, Joseph Leslie A.B., College of William and Mary.	Martinsville, Va.
Sturtevant, William Lyons A.B., Randolph-Macon College.	Portsmouth, Va.
Swenson, Ralph Martin A.B., Duke University.	Meriden, Conn.
Waggoner, Brooks Milton A.B., University of Arkansas; B.D., Duke University.	Stilwell, Okla.
Wagner, Ferd A.B., Otterbein College.	Somerset, Pa.





VOLUME 15

May, 1943

NUMBER 7-A

BULLETIN OF DUKE UNIVERSITY

*The Graduate School of
Arts and Sciences*



1942-1943

ANNOUNCEMENTS FOR 1943-1944

PUBLISHED BY THE UNIVERSITY
DURHAM, NORTH CAROLINA

ANNUAL BULLETINS

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For BULLETIN OF THE SCHOOL OF FORESTRY, apply to *The Dean of the School of Forestry*, Duke University, Durham, N. C.

For BULLETIN OF THE COLLEGE OF ENGINEERING, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE SUMMER SESSION, apply to *The Director of the Summer Session*, Duke University, Durham, N. C.

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BULLETIN
OF
DUKE UNIVERSITY

THE GRADUATE SCHOOL
OF ARTS AND SCIENCES



1942-1943
ANNOUNCEMENTS FOR 1943-1944

DURHAM, NORTH CAROLINA
1943

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UNIVERSITY CALENDAR

1943

- June 8. Tuesday, 9:00 A.M.—Registration of students for Summer Session, first term.
- June 9. Wednesday, 8:00 A.M.—Instruction begins for Summer Session, first term.
- July 5. Monday—A holiday celebrating Independence Day.
- July 17, 19. Saturday, Monday—Final examinations for Summer Session, first term.
- July 20. Tuesday, 9:00 A.M.—Registration of students for Summer Session, second term.
- July 20. Tuesday, 2:00 P.M.—Instruction begins for Summer Session, second term.
- Aug. 27-28. Friday, Saturday—Final examinations for Summer Session, second term.
- Sept. 16. Thursday, 11:00 A.M.—Formal opening of the University.
- Sept. 16-18. Thursday, 9:15 A.M.-11:00 A.M., 2:30 P.M.-4:30 P.M.; Friday, 9:15 A.M.-12:45 P.M., 2:30 P.M.-4:30 P.M.; Saturday, 9:15 A.M.-12:45 P.M.—Registration of graduate students for first semester.
- Sept. 17. Friday—Instruction for Sophomores, Juniors, and Seniors begins.
- Oct. 15. Friday—Last day for submitting thesis subjects for the degree of Doctor of Philosophy.
- Nov. 1-6. French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before October 26.
- Nov. 8-13. German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before November 2.
- Nov. 15. Monday—Last day for submitting thesis subjects for the degrees of Master of Arts and Master of Education.
- Nov. 25. Thursday—Thanksgiving Day: a holiday.
- Dec. 11. Saturday—Duke University Day.
- Dec. 21. Tuesday, 1:00 P.M.—Christmas recess begins.

1944

- Jan. 5. Wednesday, 1:00 P.M.—Instruction is resumed.
- Jan. 11-20. Reading period.

- Jan. 19-20. Wednesday, Thursday, 9:15 A.M.-12:45 P.M.; 2:30 P.M.-4:30 P.M.—Registration of graduate students for second semester.
- Jan. 21. Friday—Mid-year examinations begin.
- Jan. 31. Monday—Second semester begins.
- March 1. Wednesday—Last day for applying for University fellowships, graduate assistantships, and graduate scholarships.
- March 6-11. French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before February 29.
- March 13-18. German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before March 6.
- April 1. Students who expect to receive an advanced degree in May should notify the Graduate Office to that effect.
- April 15. Saturday—Last day for submitting theses for degree of Doctor of Philosophy. Theses must be filed by 12:30 P.M.
- April 26-May 10. Reading period. Instruction is resumed May 11, Thursday, 8:00 A.M.
- May 1. Monday—Last day for submitting theses for degrees of Master of Arts and Master of Education.
- May 17. Wednesday—Final examinations, second semester, begin.
- May 25. Thursday—Final examinations, second semester, end.
- May 27. Saturday—Commencement Day.

1943

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1944

JANUARY	APRIL	JULY	OCTOBER
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OFFICERS OF ADMINISTRATION

FLOWERS, ROBERT LEE, A.M., LL.D. <i>President of the University</i>	West Campus
WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D. <i>Vice-President and Dean of the University</i>	West Campus
DWIRE, HENRY RUDOLPH, A.B., A.M., LL.D. <i>Vice-President</i>	403 West Chapel Hill Street
MARKHAM, CHARLES BLACKWELL, A.B., A.M. <i>Treasurer</i>	204 Dillard Street
JORDAN, CHARLES EDWARD, A.B. <i>Secretary</i>	813 Vickers Avenue
BROWN, FRANK CLYDE, A.B., A.M., Ph.D. <i>Comptroller</i>	410 Buchanan Road
BROWER, ALFRED SMITH, A.B. <i>Administrative Assistant</i>	518 Morehead Avenue
LUND, JOHN JORGENSEN, A.B., Ph.D. <i>Librarian</i>	921 Monmouth Avenue
HOOVER, CALVIN BRYCE, A.B., Ph.D., Litt.D. <i>Dean of the Graduate School of Arts and Sciences</i>	1702 Duke University Road
ROBERT, JOSEPH CLARKE, A.B., A.M., Ph.D. <i>Assistant to the Dean of the Graduate School</i>	1102 B Street

EXECUTIVE COMMITTEE OF THE GRADUATE SCHOOL COUNCIL

CALVIN BRYCE HOOVER, A.B., Ph.D., Litt.D. <i>Dean of the Graduate School of Arts and Sciences, ex officio</i>
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BRADY RIMBEY JORDAN, Litt.B., Ph.D.
WILLIAM ALEXANDER PERLZWEIG, B.S., A.M., Ph.D.
CHARLES SACKETT SYDNOR, A.B., Ph.D.
NEWMAN IVEY WHITE, A.B., A.M., Ph.D.

INSTRUCTIONAL STAFF

MEMBERS OF THE GRADUATE SCHOOL COUNCIL

The date denotes the first year of service at Duke University.

- | | |
|---|-----------------------------|
| ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D.
<i>Associate Professor of Psychology</i> | Cornwallis Road |
| BAUM, PAULL FRANKLIN, (1922) A.B., A.M., Ph.D.
<i>Professor of English</i> | 112 Pinecrest Road |
| BIGELOW, LUCIUS AURELIUS, (1929) S.B., Ph.D.
<i>Professor of Chemistry</i> | 131 Pinecrest Road |
| BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D.
<i>Professor of Botany</i> | 922 Demerius Street |
| BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D., Litt.D.
<i>Professor of New Testament Language and Literature</i> | Chelsea Circle, Hope Valley |
| *BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D.
<i>Professor of English</i> | 410 Buchanan Road |
| BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D., LL.D.
<i>Professor of Educational Psychology</i> | Hope Valley |
| CARLITZ, LEONARD, (1932) A.B., A.M., Ph.D.
<i>Associate Professor of Mathematics</i> | 2303 Cranford Road |
| CARR, JOHN WINDER, JR., (1926) A.B., A.M., Ph.D.
<i>Professor of Education</i> | 926 Monmouth Avenue |
| CARROLL, EBER MALCOLM, (1923) A.B., A.M., Ph.D.
<i>Professor of History</i> | H-1-C University Apartments |
| CLYDE, PAUL HIBBERT, (1937) A.B., A.M., Ph.D.
<i>Professor of History</i> | 203 Faculty Apartments |
| ‡COLE, ROBERT TAYLOR, (1935) A.B., A.M., Ph.D.
<i>Associate Professor of Political Science</i> | 7 Sylvan Road |
| COWPER, FREDERICK AUGUSTUS GRANT, (1918) A.B., A.M., Ph.D.
<i>Professor of Romance Languages</i> | 1017 Dacian Avenue |
| CUNNINGHAM, BERT, (1916) B.S., M.S., Ph.D.
<i>Professor of Biology</i> | 1200 West Markham Avenue |
| DE VYVER, FRANK TRAVER, (1935) A.B., A.M., Ph.D.
<i>Professor of Economics</i> | 8 Sylvan Road |
| ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D.
<i>Professor of Sociology</i> | 129 Pinecrest Road |
| GERGEN, JOHN JAY, (1936) A.B., M.A., Ph.D.
<i>Professor of Mathematics</i> | 1005 Monmouth Avenue |
| GILBERT, ALLAN, (1920) B.A., A.M., Ph.D.
<i>Professor of English</i> | 516 Carolina Circle |

* Absent on sabbatical leave, second semester, 1942-43.

|| Absent on leave, Government Service, 1942-43.

‡ Absent on leave, Government Service.

- GILBERT, KATHERINE EVERETT, (1930) A.B., A.M., Ph.D., Litt.D.
Professor of Philosophy 516 Carolina Circle
- ‡GILLIN, JOHN, (1941) B.A., M.A., A.M., Ph.D.
Associate Professor of Anthropology 1503 Alabama Avenue
- GOHDES, CLARENCE, (1930) A.B., A.M., Ph.D.
Professor of English 2614 Stuart Drive
- GRAY, IRVING EMERY, (1930) B.S., M.S., Ph.D.
Professor of Zoology 124 Pinecrest Road
- GROSS, PAUL MAGNUS, (1919) B.S., A.M., Ph.D.
William Howell Pegram Professor of Chemistry Hope Valley
- *HALL, FRANK GREGORY, (1926) A.B., A.M., Ph.D.
Professor of Zoology 122 Pinecrest Road
- HAMILTON, EARL JEFFERSON, (1927) B.S., A.M., Ph.D.
Professor of Economics 1015 Demerius Street
- HARGITT, GEORGE THOMAS, (1930) Ph.B., A.M., Ph.D., Sc.D.
Professor of Zoology 811 Watts Street
- HART, HORNELL NORRIS, (1938) A.B., M.A., Ph.D.
Professor of Sociology Randolph Road
- HATLEY, CHARLES CLEVELAND, (1917) A.B., A.M., Ph.D.
Professor of Physics 708 Buchanan Road
- HAUSER, CHARLES ROY, (1929) B.S., M.S., Ph.D.
Associate Professor of Chemistry 1020 Rose Hill Avenue
- HOLTON, HOLLAND, (1912) A.B., J.D.
Professor of the History and Science of Education 809 Watts Street
- HOOVER, CALVIN BRYCE, (1925) A.B., Ph.D., Litt.D.
Professor of Economics 1702 Duke University Road
- HUBBELL, JAY BROADUS, (1927) A.B., A.M., Ph.D.
Professor of English 121 Pinecrest Road
- IRVING, WILLIAM HENRY, (1936) B.A., B.A. (Oxon), M.A., Ph.D.
Professor of English 2707 Legion Avenue
- JENSEN, HOWARD EIKENBERRY, (1931) A.B., A.M., B.D., Ph.D.
Professor of Sociology 143 Pinecrest Road
- JORDAN, BRADY RIMBEY, (1927) Litt.B., Ph.D.
Professor of Romance Languages 117 Pinecrest Road
- †KORSTIAN, CLARENCE FERDINAND, (1930) B.S.F., M.F., M.A., Ph.D.
Professor of Silviculture 1718 Duke University Road
- KRAMER, PAUL JACKSON, (1931) A.B., M.Sc., Ph.D.
Associate Professor of Botany 2251 Cranford Road
- LANNING, JOHN TATE, (1927) A.B., A.M., Ph.D.
Professor of History Hope Valley
- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.
Professor of History 1108 Monmouth Avenue
- LONDON, FRITZ, (1938) Ph.D., Docteur ès Sciences of the University of Paris
Professor of Theoretical Chemistry 1508 West Markham Avenue
- LUND, JOHN JORGENSEN, A.B., Ph.D.
Librarian 921 Monmouth Avenue

‡ Absent on leave, Government Service.

* On active duty, U. S. Army.

† Absent on sabbatical leave, first semester, 1942-43.

- ‡LUNDEBERG, OLAV K., (1931) A.B., A.M., Ph.D.
Associate Professor of Romance Languages 127 Pinecrest Road
- LUNDHOLM, HELGE, (1930) Fil. Kand., Fil. Lic., Ph.D.
Professor of Psychology 803 Second Street
- *MORGAN, GEORGE ALLEN, JR., (1936) Ph.B., A.M., Ph.D.
Associate Professor of Philosophy 713 Anderson Street
- NELSON, ERNEST WILLIAM, (1926) A.B., A.M., Ph.D.
Associate Professor of History Faculty Apartments
- ||NIELSEN, WALTER MCKINLEY, (1925) B.S. in E.E., Ph.D.
Professor of Physics 139 Pinecrest Road
- NORDHEIM, LOTHAR WOLFGANG, (1937) Ph.D.
Professor of Physics 2255 Cranford Road
- PEARSE, ARTHUR SPERRY, (1926) B.S., A.M., Ph.D., LL.D.
Professor of Zoology Chelsea Circle, Hope Valley
- PEPPLER, CHARLES WILLIAM, (1912) A.B., Ph.D.
Professor of Greek 406 Buchanan Road
- PERLZWEIG, WILLIAM ALEXANDER, (1929) B.S., A.M., Ph.D.
Professor of Biochemistry Hope Valley
- PROCTOR, ARTHUR MARCUS, (1923) A.B., A.M., Ph.D.
Professor of Education 2106 Myrtle Drive
- RANKIN, ROBERT STANLEY, (1927) A.B., A.M., Ph.D.
Professor of Political Science 1107 Knox Street
- ¶RATCHFORD, BENJAMIN ULYSSES, (1928) B.S., A.M., Ph.D.
Associate Professor of Economics 133 Pinecrest Road
- RHINE, JOSEPH BANKS, (1927) B.S., M.S., Ph.D.
Professor of Psychology 908 West Club Boulevard
- †ROBERTS, JOHN H., (1931) A.B., Ph.D.
Associate Professor of Mathematics 2813 Legion Avenue
- ROGERS, ROBERT S., (1937) A.B., A.M., Ph.D., F.A.A.R.
Professor of Latin 148 Pinecrest Road
- SCATES, DOUGLAS EDGAR, (1939) A.B., Ph.D.
Associate Professor of Education 2247 Cranford Road
- ||SHIPMAN, GEORGE A., (1938) A.B., Ph.D.
Associate Professor of Political Science 139 Pinecrest Road
- SMITH, HILRIE SHELTON, (1931) A.B., Ph.D., D.D., Litt.D.
Professor of Christian Ethics and Religious Education 1523 Hermitage Court
- ||SPENGLER, JOSEPH JOHN, (1934) A.B., M.A., Ph.D.
Professor of Economics 2240 Cranford Road
- SPONER, HERTHA, (1935) Ph.D.
Professor of Physics Hope Valley
- SYDNOR, CHARLES SACKETT, (1936) A.B., Ph.D.
Professor of History 116 Pinecrest Road
- THOMAS, JOSEPH MILLER, (1930) A.B., Ph.D.
Professor of Mathematics 2215 Cranford Road

‡ Absent on sabbatical leave, second semester, 1941-42.

* On active duty, U. S. Army.

|| Absent on leave, Government Service, 1942-43.

¶ Absent on leave, Government Service.

† On active duty, U. S. Navy.

- VOLLMER, CLEMENT, (1926) A.B., A.M., Ph.D.
Professor of German 2114 Myrtle Drive
- VON BECKERATH, HERBERT, (1935) Ph.D.
Professor of Economics and Political Science Hope Valley
- VOSBURGH, WARREN CHASE, (1928) B.S., M.S., Ph.D.
Professor of Chemistry 2319 Englewood Avenue
- WANNAMAKER, WILLIAM HANE, (1904), A.B., A.M., Litt.D.
Professor of German Myrtle Drive
- WEBB, ALBERT MICAJAH, (1903) A.B., A.M.
Professor of Romance Languages 1017 West Trinity Avenue
- WHITE, NEWMAN IVEY, (1919) A.B., A.M., Ph.D.
Professor of English 803 Second Street
- WIDGERY, ALBAN GREGORY, (1930) B.A., M.A.
Professor of Philosophy 152 Pinecrest Road
- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D., LL.D.
Professor of Political Science 717 Anderson Street
- WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D.
Professor of Botany 924 Urban Avenue
- ZENER, KARL EDWARD, (1928) Ph.B., A.M., Ph.D.
Associate Professor of Psychology Sparger Road
-
- ADDOMS, RUTH MARGER, (1930) B.A., M.A., Ph.D.
Associate Professor of Botany 1003 Lamond Avenue
- || ALLEN, DON CAMERON, (1938) A.B., Ph.D.
Associate Professor of English 701 Club Boulevard
- ‡ ANDERSON, LEWIS EDWARD, (1936) B.S., A.M., Ph.D.
Assistant Professor of Botany 305 Frances Street
- BEAL, JAMES ALLEN, (1939) B.S., M.S., Ph.D.
Professor of Forest Entomology 2232 Cranford Road
- BERNHEIM, FREDERICK, (1930) A.B., Ph.D.
Associate Professor of Physiology and Pharmacology Woodridge Drive, Rockwood
- BERNHEIM, MARY LILAS CHRISTIAN, MRS., (1930) B.A., M.A., Ph.D.
Assistant Professor of Biochemistry Woodridge Drive, Rockwood
- *BLACK, MARTIN LEE, JR., (1930) A.B., M.B.A., C.P.A.
Associate Professor of Accounting 135 Pinecrest Road
- *BOAS, RALPH PHILIP, JR., (1939) A.B., Ph.D.
Instructor in Mathematics 2708 Legion Avenue
- BONNER, LYMAN GAYLORD, (1937) A.B., Ph.D.
Assistant Professor of Physics 2708 Nation Avenue
- BOOKHOUT, CAZLYN GREEN, (1935) A.B., A.M., Ph.D.
Assistant Professor of Zoology 1307 Alabama Avenue
- BRADSHAW, CHARLES KILGO, (1939) A.B., M.A., Ph.D.
Instructor in Chemistry 2302 Elder Street

|| Resigned, June 30, 1942.

‡ On active duty, U. S. Navy.

* Absent on leave, Government Service.

- BROWN, FRANCES, (1931) A.B., Ph.D.
Assistant Professor of Chemistry 205 Jones Street
- CHILDS, BENJAMIN GUY, (1924) B.A., M.A.
Professor of Education 1019 West Markham Avenue
- CLARK, KENNETH WILLIS, (1931) A.B., B.D., Ph.D.
Associate Professor of New Testament Language and Literature
 1308 West Markham Avenue
- †COILE, THEODORE STANLEY, (1935) B.S.F., M.F., Ph.D.
Associate Professor of Forest Soils Duke University
- CONANT, NORMAN FRANCIS, (1935) B.S., A.M., Ph.D.
Assistant Professor of Bacteriology Old Cornwallis Road
- CONSTANT, FRANK WOODBRIDGE, (1930) B.S., Ph.D.
Associate Professor of Physics 2239 Cranford Road
- COOLIDGE, THOMAS BUCKINGHAM, (1935) B.A., Ph.D., M.D.
Assistant Professor of Biochemistry 405 Erwin Apartments
- DANN, WILLIAM JOHN, (1934) B.S., Ph.D.
Associate Professor of Physiology and Nutrition Pinecrest Road
- DAVIS, GIFFORD, (1930) A.B., A.M., Ph.D.
Assistant Professor of Romance Languages 2015 Wa Wa Avenue
- DRESSEL, FRANCIS GEORGE, (1929) B.S., M.S., Ph.D.
Assistant Professor of Mathematics 309 Frances Street
- DUBS, HOMER HASENPFUG, (1937) A.B., A.M., B.D., Ph.D.
Acting Professor of Philosophy 2415 Club Boulevard
- EADIE, GEORGE SHARP, (1930) M.A., M.B., Ph.D.
Professor of Physiology and Pharmacology Hope Valley
- *EASLEY, HOWARD, (1930) A.B., M.A., Ph.D.
Assistant Professor of Education Guess Road
- EDWARDS, CHARLES WILLIAM, (1898) A.B., A.M., M.S.
Professor of Physics 406 Buchanan Road
- ELLIOTT, WILLIAM WHITFIELD, (1925) B.A., M.A., Ph.D.
Professor of Mathematics 1404 Arnette Avenue
- EVERETT, JOHN WENDELL, (1932) A.B., Ph.D.
Assistant Professor of Anatomy 2605 University Drive
- GARBER, PAUL NEFF, (1924) A.B., A.M., Ph.D.
Professor of Church History 2117 Myrtle Drive
- GATES, ARTHUR MATHEWS, (1909) A.B., A.M., Ph.D.
Assistant Professor of Latin 1030 West Trinity Avenue
- *GIBSON, WILLIAM MARION, (1934) A.B., A.M., Ph.D.
Assistant Professor of Political Science Duke University
- GOLDIN, JUDAH, (1943) B.S., A.M., D.H.L.
Lecturer on Jewish Literature and History Duke University
- GROVES, ERNEST RUTHERFORD, (1938) A.B., B.D., Research Professor of So-
 ciology at the University of North Carolina
Lecturer on Sociology, second half-year Chapel Hill, N. C.
- HALLOWELL, JOHN HAMILTON, (1942) A.B., A.M., Ph.D.
Visiting Assistant Professor of Political Science 1309 Maryland Avenue
- HANDLER, PHILIP, (1939) B.S., M.S., Ph.D.
Associate in Physiology and Nutrition 2813 Legion Avenue

† Absent on leave, Government Service.

* On active duty, U. S. Navy.

- †HARRAR, ELLWOOD SCOTT, (1936) B.S., M.S., Ph.D.
Associate Professor of Wood Technology 2228 Cranford Road
- †HASBROUCK, FRANCIS MAHLON, (1935) A.B., Ph.D.
Assistant Professor of Romance Languages 1005 Homer Street
- †HEBB, MALCOLM HAYDEN, (1938) A.B., Ph.D.
Instructor in Physics 137 Pinecrest Road
- HETHERINGTON, DUNCAN CHARTERIS, (1930) A.B., M.A., Ph.D., M.D.
Acting Professor of Anatomy Hope Valley
- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.
Assistant Professor of Chemistry Dixon Road
- HOBBS, MARCUS EDWIN, (1935) A.B., A.M., Ph.D.
Assistant Professor of Chemistry 115 Pinecrest Road
- HOLLINSHEAD, WILLIAM HENRY, (1930) B.A., M.S., Ph.D.
Assistant Professor of Anatomy 2307 Prince Street
- JEFFERS, KATHERINE R., (1937) A.B., A.M., Ph.D.
Assistant Professor of Zoology 1507 West Pettigrew Street
- JOHNSON, MYCHYLE W., (1937) A.B., Ph.D.
Assistant Professor of Zoology 2108 Sprunt Street
- *KEMP, EDWARD H., (1940) A.B., Ph.D.
Assistant Professor of Psychology 1403 Oakland Avenue
- KRUMMEL, CHARLES ALBERT, (1922) Ph.B., Ph.M., Ph.D.
Professor of German 2118 Englewood Avenue
- LEONARD, HENRY SIGGINS, (1937) A.B., A.M., Ph.D.
Associate Professor of Philosophy 107 Pinecrest Road
- LESTER, RICHARD ALLEN, (1940) Ph.B., M.A., Ph.D.
Associate Professor of Economics 2020 Wilson Street
- *LINEBARGER, PAUL MYRON ANTHONY, (1937) A.B., M.A., Ph.D.
Assistant Professor of Political Science 1502 Bivins Street
- MCCREA, FORREST DRAPER, (1930) B.S., M.S., Ph.D.
Associate Professor of Physiology and Pharmacology 1023 Demerius Street
- McLARTY, FURMAN GORDON, (1933) A.B., B.A., A.M., Ph.D.
Assistant Professor of Philosophy Hillsboro, N. C.
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.
Associate Professor of History 2016 Myrtle Drive
- MARTIN, DONALD STOVER, (1932) A.B., M.D.
Associate Professor of Bacteriology and Associate in Medicine 2208 Pershing Street
- MAUGHAN, WILLIAM, (1931) B.S., M.F.
Associate Professor of Forest Management 5 Sylvan Road
- MOUZON, JAMES CARLISLE, (1932) B.A., Ph.D.
Associate Professor of Physics 132 Pinecrest Road
- NEURATH, HANS, (1938) Ph.D.
Assistant Professor of Biochemistry 2505 Club Boulevard
- OOSTING, HENRY JOHN, (1932) A.B., M.S., Ph.D.
Assistant Professor of Botany 2642 University Drive

† Absent on leave, Government Service.

‡ Absent on leave, Government Service, second semester, 1942-43.

* On active duty, U. S. Army.

- OUTLER, ALBERT C., (1938) A.B., A.M., B.D., Ph.D.
Assistant Professor of Historical Theology 2122 Englewood Avenue
- PERRY, HAROLD SANFORD, (1932) A.B., Ph.D.
Assistant Professor of Botany 2302 Cranford Road
- PETRY, RAY C., (1937) A.B., A.M., Ph.D.
Assistant Professor of Church History 128 Pinecrest Road
- QUYNN, DOROTHY MACKAY, MRS., (1930) A.B., A.M., Docteur de l'Université
 de Paris
Assistant Professor of History Woodridge Drive, Rockwood
- RANKIN, WILLIAM WALTER, JR., (1926) B.E., M.A.
Professor of Mathematics 1011 Gloria Avenue
- †REID, JOHN TURNER, (1939) A.B., A.M., Ph.D.
Assistant Professor of Romance Languages 2613 University Drive
- ROSE, JESSE LEE, (1936) A.B., M.A., Ph.D.
Instructor in Latin Powe Apartments
- RUSSELL, ELBERT, (1926) A.B., A.M., Ph.D., Litt.D.
Professor of Biblical Interpretation 804 Fourth Street
- SARETT, HERBERT PAUL, (1939) A.B., M.S., Ph.D.
Instructor in Biochemistry Duke Hospital
- SAYLOR, JOHN HENRY, (1928) A.B., A.M., Ph.D.
Associate Professor of Chemistry 707 Club Boulevard
- SCHUMACHER, FRANCIS X., (1937) B.S.
Professor of Forestry 6 Sylvan Road
- SEELEY, WALTER JAMES, (1925) E.E., M.S.
Professor of Electrical Engineering 1005 Urban Avenue
- SMITH, DAVID TILLERSON, (1930) A.B., M.D.
Professor of Bacteriology and Associate Professor of Medicine Hope Valley
- *SPRINGER, JOHN YOUNG, (1936) A.B., M.B.A.
Assistant Professor of Economics G-3-A University Apartments
- ||STILL, BAYRD, (1938) A.B., A.M., Ph.D.
Assistant Professor of History 105 Erwin Apartments
- STINESPRING, WILLIAM FRANKLIN, (1936) B.A., M.A., Ph.D.
Associate Professor of Old Testament 1107 Watts Street
- ‡SWETT, FRANCIS HUNTINGTON, (1930) A.B., M.A., Ph.D.
Professor of Anatomy Hope Valley
- TALBERT, ERNEST WILLIAM, (1942) A.B., A.M., Ph.D.
Assistant Professor of English 2633 Chapel Hill Road
- TAYLOR, HAYWOOD MAURICE, (1930) B.S., M.S., Ph.D.
Associate Professor of Biochemistry and Toxicology
 University Drive, Rockwood
- THOMPSON, EDGAR TRISTRAM, (1935) A.B., A.M., Ph.D.
Associate Professor of Sociology 138 Pinecrest Road
- *THOMSON, ROY BERTRAND, (1938) B.S., M.F., Ph.D.
Associate Professor of Forest Economics 2243 Cranford Road

† Absent on leave, Government Service.

* On active duty, U. S. Navy.

|| On active duty, U. S. Army.

‡ Died, February 10, 1943.

*TRUESDALE, JAMES N., (1930) A.B., A.M., Ph.D. <i>Instructor in Greek</i>	Duke University
VAN ALSTYNE, DOROTHY, (1942) A.B., A.M., Ph.D. <i>Visiting Assistant Professor of Education</i>	102 Faculty Apartments
WACKERMAN, ALBERT EDWARD, (1938) B.S., M.F. <i>Professor of Forest Utilization</i>	Dover Road, Hope Valley
WALTER, DAVID OSWELL, (1942) A.B., A.M., Ph.D., J.D. <i>Visiting Assistant Professor of Political Science</i>	1406 Pennsylvania Avenue
WALTON, LORING BAKER, (1929) A.B., Lic. ès L., Ph.D. <i>Associate Professor of Romance Languages</i>	2235 Cranford Road
WARD, CHARLES EUGENE, (1927) A.B., A.M., Ph.D. <i>Associate Professor of English</i>	Guess Road
WAY, VERNON ELGIN, (1930) A.B., A.M., M.A. <i>Assistant Professor of Greek</i>	909 Gregson Street
WILSON, ROBERT NORTH, (1910) A.B., M.S. <i>Professor of Chemistry</i>	822 Third Street
WOODY, ROBERT HILLIARD, (1929) Ph.B., A.M., Ph.D. <i>Assistant Professor of History</i>	2648 University Drive
YOUNGSTROM, KARL ARDEN, (1937) A.B., M.A., Ph.D. <i>Associate in Anatomy</i>	228 Fir Street
HUMM, HAROLD JUDSON, (1942) B.S., A.M. <i>Resident Investigator, Marine Station</i>	Beaufort, N. C.

RESEARCH ASSOCIATES

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
BRESLOW, DAVID SAMUEL B.S., College of the City of New York; Ph.D., Duke University	Chemistry	Durham, N. C.
DARKIS, FREDERICK RANDOLPH B.S., M.S., Ph.D., University of Maryland	Chemistry	1211 Alabama Avenue
DAVIS, ROSE M. B.A., Ph.D., Duke University	Chemistry	Durham, N. C.

UNIVERSITY FELLOWS

BARNES, GEORGE HECTOR B.Sc.F., University of Washington; M.S., University of California	Forestry	Durham, N. C.
BAUMGARTEN, ERWIN B.S., California Institute of Technology; A.M., University of California at Los Angeles	Chemistry	Pasadena, Calif.
GRANA, CESAR SORIA A.B., University of Lima	History	Lima, Peru
†KOZLOWSKI, THEODORE THOMAS B.S., Syracuse University; A.M., Duke University	Forestry	Buffalo, N. Y.
LINSCHITZ, HENRY B.S., College of the City of New York; A.M., Duke University	Chemistry	New York, N. Y.

* On active duty, U. S. Navy.

† Resigned, November 1, 1942.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
MAGALHAES, HULDA B.S., New Jersey College for Women; A.M., Mount Holyoke College	Zoology	Hopewell, N. J.
MASSEY, CALVIN LEROY B.S., Colorado State College; A.M., Duke University	Forestry	Durham, N. C.
MOSER, HAROLD EUGENE B.S., Johns Hopkins University; A.M., Columbia University	Education	Frederick, Md
MUNGER, BERNARD VERNON A.B., Washburn Municipal University; B.D., Chicago Theological Seminary	Religion	Smith Center, Kan.
SAUNDERS, ERNEST WILLIAM B.S. in R.E., S.T.B., Boston University	Religion	Durham, N. C.
SOODAK, HARRY B.S., College of the City of New York; A.M., Columbia University	Physics	Bronx, N. Y.
WELLWOOD, ROBERT WILLIAM B.A.Sc. in F.E., University of British Columbia; M.F., Duke University	Forestry	Victoria, B. C., Canada

GRADUATE ASSISTANTS

ADAMS, JOE TAYLOR B.S., Southern Methodist University	Chemistry	Dallas, Tex.
AMORE, SALVATORE THOMAS A.B., Brooklyn College; A.M., Duke University	Chemistry	Brooklyn, N. Y.
BARTON, ELEANOR PHILLIPS A.B., Woman's College of U. N. C.; A.M., Columbia University	Zoology	Greensboro, N. C.
BASS, ARNOLD M. B.S., College of the City of New York	Physics	New York, N. Y.
BEVAN, WILLIAM, JR. A.B., Franklin and Marshall College	Psychology	Wilkes-Barre, Pa.
BINNS, ELIZABETH FEARY A.B., Florida Southern College; A.M., Duke University	English	Winter Haven, Fla.
BLOOM, MELVIN SIGMUND B.S., Furman University	Chemistry	Greenville, S. C.
BOLLENS, JACK CONSTANTINUS A.B., College of Wooster	Political Science	Pittsburgh, Pa.
*BRYAN, GEORGE COCHRANE A.B., Williams College	Political Science	Durham, N. C.
BRYAN, WILLIAM ALFRED A.B., College of Charleston; A.M., Duke University	English	Sumter, S. C.
BUCHANAN, EDITH A.B., Meredith College	English	Cullowhee, N. C.
CHAO, SHIH HUI A.B., Fu Jen University	Sociology	Peiping, China
CHESNUT, DORIS RAY B.S., Farmville State Teachers College	Political Science	Durham, N. C.
¶CLARK, MARTHA LOUISE B.S., Sweet Briar College	Zoology	Lynchburg, Va.

* Resigned, February 27, 1943.

|| Resigned, February 25, 1943.

¶ Resigned, January 18, 1943.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
†DEAL, CARL HOSEA, JR. B.S., Duke University	Chemistry	Salisbury, N. C.
†DIAMOND, STANLEY STUART A.B., University of Wichita; A.M., Haverford College	History	Wichita, Kan.
*EARLY, BENJAMIN WEISIGER A.B., A.M., University of Virginia	English	Richmond, Va.
‡EDMESTON, RHODA CHRISTENA A.B., University of Denver; A.M., Ph.D., Boston University	Romance Languages	Blyth, Ontario, Canada
FRAZIER, KATHRYN ELEANOR B.S., New Jersey State Teachers College at Glassboro	Education	Haddonfield, N. J.
FRIES, JEAN NEVIN A.B., Wilson College	English	Chambersburg, Pa.
HARTLEY, HOPE CARLIN A.B., University of Wisconsin	Botany	Washington, D. C.
HERTZ, HILDA A.B., Skidmore College	Sociology	Los Angeles, Calif.
‡HICKEY, ROBERT LOUIS B.S., East Tennessee State Teachers College; A.M., Duke University	English	Johnson City, Tenn.
‡HUNTER, CHARLOTTE ELIZABETH A.B., Agnes Scott College	English	Decatur, Ga.
HUNTLEY, ARTHUR GENE A.B., Willamette University	Economics	Salem, Ore.
JORDAN, CHARLES DANIEL A.B., East Carolina Teachers College; A.M., George Peabody College	Zoology	Greenville, N. C.
KAO, KATHERINE CHUN CH'UN A.B., A.M., Yenching University	Psychology	Peiping, China
KARR, MARY FRANCES B.S.Ed., University of Akron	Education	Akron, Ohio
KINSMAN, MARGARET ELEANOR A.B., MacMurray College	History	Saybrook, Ill.
KNIGHT, WALTER DAVID, JR. A.B., Middlebury College	Physics	Newton Centre, Mass.
LAUDERDALE, RICHARD LYNN A.B., Millsaps College	Economics	Jackson, Miss.
LEVINE, ROBERT A.B., A.M., Dartmouth College	Chemistry	East Boston, Mass.
¶LIVINGSTON, MARTHA ALIDA COMSTOCK A.B., Smith College	Botany	Lynn, Mass.
‡LOVELAND, CLARA OLDS A.B., Wellesley College; A.M., Columbia University; B.D., Berkeley Divinity School	Religion	Glendale, Ohio

† First semester only.

* Resigned, January 23, 1943.

‡ Second semester only.

|| Resigned, November 30, 1942.

¶ Resigned, March 15, 1943.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
LUBORSKY, LESTER BERNARD A.B., Temple University	Psychology	Philadelphia, Pa.
LYONS, RICHARD EDWIN A.B., University of Buffalo	Physics	Buffalo, N. Y.
MCANDREW, FLORENCE HELTON A.B., Mary Baldwin College; A.M., Northwestern University	Psychology	Chicago, Ill.
MARTIN, MARY MERCEDES A.B., Marshall College	Psychology	Huntington, W. Va.
MEDDING, MARY ELIZABETH A.B., University of Chattanooga	Romance Languages	Memphis, Tenn.
MILLER, VIVIAN LORELEI A.B., Brooklyn College	English	Brooklyn, N. Y.
MORRIS, CLARA JUANITA A.B., Berea College	Economics	Benham, Ky.
OGLESBY, ROSCOE RALPH A.B., Georgetown College; A.M., University of Virginia	Political Science	Lynchburg, Va.
PARKS, ELIZABETH MIRIAM A.B., Grinnell College	English	Denver, Colo.
PATRICK, CLARENCE HODGES A.B., Wake Forest College; B.D., Andover Newton Theological School	Sociology	Durham, N. C.
PIRKLE, EVA ANN A.B., Agnes Scott College	Mathematics	Decatur, Ga.
*PO-CHEDLEY, DONALD STEPHEN B.S., Canisius College	Zoology	Buffalo, N. Y.
POHL, MARIAN EVELYN B.S., Duke University	Zoology	Trenton, N. J.
† RAPPAPORT, LEAH JANE A.B., Queens College	English	Hollis, N. Y.
RICHARDS, CLAUD HENRY, JR. A.B., Texas Christian University; A.M., Duke University	Political Science	Fort Worth, Tex.
‡ ROGERS, HOLLIS JETTON B.S., Murray State Teachers College; M.S., University of Kentucky	Botany	Stearns, Ky.
ROSS, WILLIAM DEE, JR. A.B., Millsaps College	Economics	Crystal Springs, Miss.
SCHAEGLER, FRANCES ANN CRAGHEAD A.B., Randolph-Macon Woman's College; A.M., Duke University	Latin	Lynchburg, Va.
§ SCHERAGA, HAROLD ABRAHAM B.S., College of the City of New York; A.M., Duke University	Chemistry	Brooklyn, N. Y.
¶ SCHNEIDER, LEONARD STANLEY A.B., A.M., Pennsylvania State College	Economics	Pittsburgh, Pa.
SHIVERS, JOSEPH CLOIS, JR. B.S., Duke University	Chemistry	Riverton, N. J.

|| Resigned, January 20, 1943.

* Resigned, November 30, 1942.

† Second semester only.

‡ Resigned, December 19, 1942.

§ First semester only.

¶ Resigned, October 31, 1942.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
SMITH, EDWIN STUDLEY B.S., Furman University	Chemistry	Durham, N. C.
SPENCER, RALPH EDWIN B.S., University of Utah	Economics	Salt Lake City, Utah
STALLCUP, MARY JANE B.S., Duke University; A.B.L.S., Emory University	Physics	St. Petersburg, Fla.
TAYLOR, DONALD LAVER B.S., M.S., Utah State Agricultural College	Sociology	Ephraim, Utah
†WAGGONER, BROOKS MILTON A.B., University of Arkansas; B.D., Duke University	Religion	Stillwell, Okla.
WEAVER, JAMES FREDERICK B.S., M.S., Bucknell University	Education	Lemoyne, Pa.
WIGGINS, ELIZABETH LEWIS A.B., Winthrop College; A.M., Duke University	English	Holly Hill, S. C.
WIMBERLY, ROSAMONDE RAMSAY A.B., A.M., University of South Carolina	Sociology	Spartanburg, S. C.
WISSOW, LENNARD JAY B.S., Pennsylvania State College	Chemistry	Philadelphia, Pa.

GRADUATE SCHOLARS

BAKER, MAURY DAVISON, JR. A.B., University of Miami	History	Richmond, Va.
BUSSELL, WILSIE FLORENCE A.B., A.M., Duke University	Romance Languages	Durham, N. C.
CANDLER, FRANCES GODFREY A.B., Randolph-Macon Woman's College	History	Madison, Ga.
COME, DONALD ROBERT A.B., Michigan State College	History	Lansing, Mich.
†HENDERSON, HAROLD LEROY A.B., A.M., University of Kansas City	History	Oelwein, Iowa
HIKSON, IVY MAY A.B., University of Georgia; A.M., University of North Carolina	Latin	Augusta, Ga.
LIEB, RUTH MARJORIE A.B., Queens College	English	Queens, N. Y.
LOVING, GRACE EVELYN A.B., Woman's College of U. N. C.	English	Drakes Branch, Va.
MILLER, WILLIAM DURELL A.B. in Ed., University of Florida	History	Jacksonville, Fla.
MURRAY, ELLEN FENTON University of St. Andrews; A.M., University of Georgia	History	East Point, Ga.
*SALLEY, CLAUDIA LOUISE A.B., University of Tennessee	History	Hendersonville, N. C.
SAMUELS, OLGA LENORE A.B., Hunter College	Romance Languages	New York, N. Y.

† Resigned, January 23, 1943.

‡ Resigned, January 23, 1943.

* Appointed, January 25, 1943.

|| Resigned, January 19, 1943.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
TURNER, ANNE CLARA A.B., University of Georgia; A.M., Duke University	Latin	Albany, Ga.
WALKER, NELLE WILLIS A.B., Randolph-Macon Woman's College	History	Walhalla, S. C.
WARLICK, GEORGE CLIFTON, JR. A.B., Lenoir-Rhyne College	Economics	Hickory, N. C.
WEITH, ARCHIE JAMES, JR. A.B., A.M., Duke University	Chemistry	Caldwell, N. J.
†WERBEL, BURTON A.B., New York University; A.M., Duke University	Chemistry	Newark, N. J.

GRADUATE RESEARCH ASSISTANTS

¶DEAL, CARL HOSEA, JR. B.S., Duke University	Chemistry	Salisbury, N. C.
FIELD, FRANK HENRY B.S., Duke University (to be conferred May, 1943)	Chemistry	Edgewater, N. J.
FREISER, HENRY B.S., College of the City of New York; M.A., Duke University	Chemistry	New York, N. Y.
GILBERT, ALFRED RACHELS B.S., University of Richmond	Chemistry	Richmond, Va.
¶HOLUB, FREDERICK FRANK B.S., Western Reserve University	Chemistry	Cleveland, Ohio
KITTLA, RICHARD S. B.Chem., University of Minnesota	Chemistry	Ely, Minn.
RAPOPORT, LORENCE A.B., Harvard University	Chemistry	Hartford, Conn.
¶SCHERAGA, HAROLD ABRAHAM B.S., College of the City of New York; M.A., Duke University	Chemistry	Brooklyn, N. Y.
TARRANT, PAUL B.S., Howard College; M.S., Purdue University	Chemistry	Birmingham, Ala.
TOMPSON, READE YATES B.S., Brown University	Chemistry	Attleboro, Mass.
¶YOST, ROBERT STANLEY B.S., Pennsylvania State College	Chemistry	Pottsville, Pa.

GRADUATE APPOINTMENTS OF THE SCHOOL OF MEDICINE

John W. White Fellow in Biochemistry

VOLKIN, ELLIOTT B.S., Pennsylvania State College	Mt. Pleasant, Pa.
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Nutrition Foundation Fellow in Biochemistry

HUFF, JESSE W. B.S., University of Pittsburgh	Jeannette, Pa.
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Graduate Assistant in Biochemistry

KAMIN, HENRY B.S., College of the City of New York	Brooklyn, N. Y.
---	-----------------

† Resigned, January 20, 1943.

¶ Second semester only.

GRADUATE INSTRUCTION IN DUKE UNIVERSITY

ADMISSION

TO GRADUATE COURSES

A student who has received the A.B. or B.S. degree for a four-year undergraduate course may be admitted to take graduate courses in the Graduate School of Arts and Sciences of Duke University, provided that his undergraduate record gives positive evidence of ability to undertake graduate study successfully. An average grade of not less than "B" is ordinarily accepted as evidence of such ability.

No college or university work taken before the Bachelor's degree is conferred, or fully earned, may be credited toward an advanced degree except under the following circumstances: A student of Duke University who lacks at the beginning of a term not more than nine semester hours of fulfilling the requirements for the Bachelor's degree may obtain permission from the Dean of the Graduate School to take during the term graduate courses sufficient to bring his total work to fifteen hours a week. Such graduate courses will be credited toward the degree of Master of Arts or Master of Education if registered in the Graduate School Office at the beginning of the term and if the student meets the requirements below for formal admission to the Graduate School.

A candidate for admission to graduate courses should ask the proper officer of the college(s) he attended to send directly to the Dean of the Graduate School an official transcript of his undergraduate record. An advanced student should provide also a transcript of the graduate work completed by him. In no case will a transcript presented by the candidate himself be accepted as a basis for admission, nor will a transcript mailed by any institution be returned to the student. An application blank for admission will be provided upon request to the Dean of the Graduate School. The transcript and application should be submitted to the Graduate School by September 1 for admission in the autumn semester and by January 15 for admission in the spring semester.

TO THE GRADUATE SCHOOL

After twelve semester hours of graduate work, the student may apply for admission to the Graduate School, and thus become a candidate for the Master's degree. Such admission is dependent upon the fulfillment of two conditions. (1) The student must have made a mark of "G" or "Good" in at least three semester hours of work, with no mark less than "S." Candidates who cannot meet this condition may at a later time submit their records for re-evaluation, provided that in their subsequent work they shall have made a substantial number of "G's." (2) The student in his undergraduate work must have met substantially the require-

ments for the A.B. or B.S. degree at Duke University. Any deficiencies of undergraduate work must be satisfied before admission to the Graduate School. Graduate courses taken at Duke University prior to formal admission to the Graduate School will count toward a higher degree provided they are in accord with its requirements and are acceptable to the major department. A graduate student may be requested to withdraw from the University at the discretion of the Dean of the Graduate School.

REGISTRATION

A student who is admitted to graduate courses will receive a permit to register, which he should present when he registers for courses. If he expects to work toward an advanced degree, he must consult with the Director of Graduate Studies or his representative in the department in which he proposes to major before registering his courses in the Graduate School Office. This can be done during the registration period in September and January. The department concerned will determine whether a student is prepared to take any particular course. In all cases the student must make up without credit toward a graduate degree all prerequisites required by the major department of candidates for advanced degrees. Students who have fulfilled the minimum residence requirements for the doctorate but who are continuing resident study at Duke University for the degree should register in the Graduate School Office, even though there may be no fees to be charged.

New students are advised to arrive early during the registration period in order to formulate their programs. *Anyone registering for courses after the close of the regular registration period will be charged a late registration fee of five dollars.*

TUITION AND FEES

GENERAL FEES IN THE ACADEMIC YEAR

The following table shows the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester. No student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	
Damage Fee, payable annually in September.....	5.00
Medical Fee, per semester.....	1.00
Library Fee, per semester.....	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred.....	5.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	3.00
	5.00

For further information concerning room-rent, see below.

SPECIAL FEES

Graduate students in the sciences are required to pay the regular laboratory fees for courses as determined by the various departments. An administrative fee is charged in connection with special research work in the summer under direction of a member of the Faculty.

STUDENTS FROM THE UNIVERSITY OF NORTH CAROLINA GRADUATE SCHOOL

Under an experimental plan of co-operation between the University of North Carolina and Duke University, regular students from the University of North Carolina Graduate School admitted to courses in the Duke University Graduate School pay a registration fee of two dollars and any laboratory or special course fees which are required of all students.

TRANSCRIPTS

A student desiring to transfer from Duke University to another institution is entitled to one free transcript of his record. A charge of one dollar, payable in advance, is made for each additional copy. Transcripts of students who enroll in graduate courses only in the summer sessions are issued by the Summer Session Office prior to the fulfillment of all requirements toward an advanced degree, after which time they can be obtained in the regular way from the Graduate School.

PAYMENTS TO FELLOWS, SCHOLARS, AND GRADUATE ASSISTANTS

Payments by the University of stipends to fellows, scholars, and graduate assistants are made in four equal installments, approximately the middle and end of each semester. Tuition and fees are charged against the stipends.

Fellows and scholars are required to pay the regular tuition and fees and are expected to take a full program of work. Assistants who are permitted to register for only four fifths of a regular program are charged a proportionate amount of the tuition in addition to the regular matriculation and other minor fees.

SPECIAL CHARGES FOR TEACHERS AND OTHERS

For the purpose of aiding North Carolina teachers in their professional preparation, Duke University grants a special tuition rate to members of the faculties of near-by schools and colleges who desire to register during the regular academic session for one or two graduate courses. For such courses a teacher regularly employed and teaching while taking these courses is charged a registration fee of five dollars at the beginning of each semester and a tuition fee of three dollars per semester hour of course credit, together with any laboratory fees which may be required in these courses. Under this provision a student may not register for more than seven hours per week.

Employees of Duke University who are paid on a monthly basis throughout the year, ministers of near-by churches, and wives of the

Duke Faculty may be included under the above provisions by the Dean of the Graduate School, provided that such persons do not receive residence credit in any semester for more than two fifths of a regular program in meeting the requirements for advanced degrees.

The special tuition rate for teachers does not apply in any case to the holders of fellowships, graduate scholarships, and graduate assistantships annually awarded in the Graduate School nor to teachers on leave of absence and not actually engaged in their teaching at the time of registration.

LIVING ACCOMMODATIONS AND EXPENSES

ROOMS

On the West Campus a new graduate building, Few Quadrangle, was opened in September, 1939, with accommodations sufficient to meet the requirements of the men in the Graduate School and in the professional schools. Special sections are reserved for those registered in the Graduate School of Arts and Sciences. On the East Campus a limited number of rooms in the Faculty Apartments is available to women registered in the Graduate School. Students' rooms, both on the Woman's College Campus and on the West Campus, are supplied with all necessary furniture. The student should plan to provide his own towels, sheets, pillows, pillowslips, bedcoverings, and table lamp.

Rooms for men in the graduate dormitory on the West Campus vary in rent between \$50.00, \$62.50, and \$75.00 per semester. In the Faculty Apartments on the Woman's College Campus, a single room rents for \$87.50 per semester, a double room for \$62.50 per semester per person.

Rooms are reserved only for students who have been officially admitted to graduate courses by the University. They are rented for no shorter period than one semester. The occupancy of a room for less than one semester will cost the student one dollar each day unless he makes the necessary arrangements with the Director in the Business Division before occupying the room. Men who desire to live in the graduate dormitory should make application to Mr. W. E. Whitford, Director of the Business Division; a room reservation fee of \$25.00 is payable at the date of acceptance of his application for admission to graduate courses. Similarly, women who wish to room in the Faculty Apartments should make application and pay the room reservation fee to Mr. W. A. Tyree, Director of the Business Division. This fee is deducted from the room-rent in the fall and is not refundable unless the request is made on or before July 15. Early application for a dormitory room is essential if the student wants to be assured of living accommodations on the campus.

A resident student who wishes to retain his room for the succeeding year must pay first a reservation fee of \$25.00 to the Treasurer's Office and then notify the office of the Director of the Business Division on or before May 15. All rooms which have not been reserved by that date will be considered vacant for the succeeding year. When a room is once

engaged by a student, no change will be permitted except with the consent of the Director of the Business Division.

Graduate students are required to observe the same general regulations as undergraduate students with respect to the use of the rooms. Leaving one room and occupying another without permission is strictly forbidden and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. The use of a room for merchandising of any kind is not allowed.

The University does not assume the responsibility of selecting and assigning roommates, though it will gladly render any assistance possible in the matter.

BOARDING ACCOMMODATIONS

Men and women enrolled in the Graduate School will find superior dining facilities in the Unions on the East and West Campuses. The charge for board approximates \$265 per year. The Union on the West Campus has, in addition to the regular dining halls, a coffee shop and a sandwich shop, in which a *la carte* service is available.

ESTIMATED EXPENSES IN THE ACADEMIC YEAR

The necessary expenses of a graduate student are moderate. The University dormitories and Unions provide comfortable and wholesome living conditions at a minimum cost. Incidental expenses for recreation, smoking, traveling, clothes, and other items naturally depend on the tastes and habits of the individual. The table below lists the necessary college expenses for one year:

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition	\$200.00	\$200.00	\$200.00
Matriculation	50.00	50.00	50.00
Room-rent	100.00	125.00	150.00
Board	265.00	265.00	265.00
Laundry	20.00	25.00	30.00
Books	22.50	30.00	45.00
Library Fee	10.00	10.00	10.00
Athletic Fee	10.00	10.00	10.00
Damage Fee	1.00	1.00	1.00
Medical Fee	10.00	10.00	10.00
	\$688.50	\$726.00	\$771.00

FELLOWSHIPS, SCHOLARSHIPS, AND ASSISTANTSHIPS

For the assistance and encouragement of graduate students of high character and marked ability, the University has established a considerable number of fellowships and scholarships. Holders of fellowships and scholarships will be expected to pay the tuition fee and such additional fees as are regularly required. Applications for these appointments should be received on or before March 1 of each year. In case vacancies occur, applications submitted on a later date will be considered. Appointments which were offered for the year 1943-44 are listed below.

FELLOWSHIPS

One Angier Duke Memorial Fellowship of one thousand dollars.

Twenty-two university fellowships with stipends varying from six hundred to eight hundred and fifty dollars each.

Two Gurney Harriss Kearns Fellowships in Religion of seven hundred dollars each.

Fellows will be required to give a limited amount of assistance in reading papers, in laboratories, or in other departmental duties. All fellows carry a full program of graduate work.

GRADUATE SCHOLARSHIPS

Twenty-five graduate scholarships with stipends varying from four hundred to four hundred and fifty dollars each.

Scholars may be asked to give a limited amount of assistance in departmental work. They normally carry a full program of graduate studies.

CHARLES W. HARGITT RESEARCH FELLOWSHIP IN ZOOLOGY

The Charles W. Hargitt Research Fellowship in Zoology, carrying a stipend of \$1,000, is restricted to research work in the field of *Cytology*. Appointment is for a single year, with the possibility of reappointment. The fellowship is primarily for postdoctoral research, though it may be applied to pre-doctoral work in rare cases. Inquiries and applications should be made to Dr. George T. Hargitt, Biology Building, Duke University, Durham, North Carolina.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS IN FORESTRY

Information regarding special fellowships and graduate scholarships in forestry may be obtained before March 1, 1944, from the Dean of the School of Forestry, Duke University, Durham, North Carolina.

APPOINTMENTS AS GRADUATE ASSISTANTS

A considerable number of appointments as teaching assistants or readers will be available for graduate students. The compensation will usually range from \$300 to \$700, depending upon the nature and amount of the work assigned. Assistants receiving \$500 or more will be registered for four fifths of a normal program of studies and accordingly will receive four-fifths residence credit. Assistants in this classification will be charged four fifths of the tuition fee, and the same matriculation and minor fees as other students.

Information regarding fellowships, graduate scholarships, and graduate assistantships, together with application blanks, may be obtained from the Dean of the Graduate School, Duke University, Durham, North Carolina.

SIGMA XI PRIZE AWARDS

The Society of Sigma Xi offers each year a prize of \$20 for a Master's thesis or its equivalent and one of \$40 for a Ph.D. dissertation or its equivalent in the fields of Botany, Chemistry, Forestry, Mathematics,

Medicine, Physics, Psychology, and Zoology. The student must be in residence during the academic year in which the prize is awarded. Students holding graduate appointments are eligible to compete, but instructors, part-time instructors, and interns are not eligible. The department concerned makes the nomination. Full particulars may be obtained from the secretary of the chapter, Dr. F. W. Constant, Department of Physics.

ADVANCED DEGREES

The degrees offered in the Graduate School of Arts and Sciences are Master of Arts (A.M.), Master of Education (M.Ed.), and Doctor of Philosophy (Ph.D.). Most departments of the University are now prepared to give a full program of work leading to the degree of Doctor of Philosophy.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

LANGUAGE REQUIREMENTS

Candidates for the degree of Master of Arts are required to have a reading knowledge of a foreign language evidenced by examination or by transcript showing the completion of the third college year of the language, or to have a reading knowledge of French and German evidenced by transcript showing the completion of second-year college French and college German.

MAJOR AND MINOR SUBJECTS

As a prerequisite to graduate study in his major subject, a student must have completed a minimum of twelve semester hours of approved *preliminary* courses in that department and twelve additional semester hours either in that department or in related work. Many departments require eighteen semester hours of undergraduate credit. The student therefore should read carefully the special requirements listed by each department.

To obtain the degree of Master of Arts, a candidate must complete satisfactorily twenty-four semester hours of graduate courses and a thesis. The credit for the thesis is six semester hours. Each candidate for the degree must select a major subject, in which the minimum requirement is twelve semester hours and the thesis. A candidate must take six semester hours of graduate work in a minor outside of but approved by the major department, and the remaining six semester hours in the major or minor fields or in a department approved by the major department and by the Graduate School Council. No undergraduate course may be credited toward the degree of Master of Arts.

RESIDENCE REQUIREMENTS

The minimum residence requirement of candidates for the Master's degree is one academic year. Often a longer period of residence will prove necessary. Those students who take more than fifteen semester

hours of courses in the Summer Session must fulfill a minimum residence requirement of thirty-three weeks.

Not more than six semester hours of credit toward the Master's degree may be given to graduates of Duke University or of other colleges or universities for acceptable graduate courses or research work completed elsewhere. Such credit shall not shorten the minimum period of full-time residence work required at Duke University. It may be used, however, to give opportunity to take six semester hours of a required language course or of required undergraduate training. No credit toward advanced degrees is given for university extension or correspondence courses.

All the work offered for the Master's degree, whether in the regular academic year or in summer sessions, must be completed within a period of six years from the date of beginning.

THESIS

The title of the thesis required in partial fulfillment of the requirements for the degree of Master of Arts or Master of Education must be approved by the department or departments concerned and filed with the Dean of the Graduate School on or before November 15 of the academic year in which it is expected that the degree will be conferred.

Four (or, at the discretion of the department, three) bound type-written copies of each thesis must be submitted to the Dean of the Graduate School in approved form on or before May 1 of the year in which the degree is conferred. The thesis is passed upon and accepted or rejected by an examining committee of three members of the Faculty. Two of the copies, the original and a carbon copy, are placed in the University Library.

EXAMINATION

Each candidate for the Master's degree is required to appear before the committee mentioned above for a final examination, which will approximate one and one-half hours in length and will be on the thesis and major field.

REQUIREMENTS FOR THE DEGREE OF MASTER OF EDUCATION

The degree of Master of Education is granted to teachers or others engaged in educational service, upon the completion of the prescribed program of study. Candidates for the degree must have had two years of practical experience in teaching when the degree is conferred. This experience may be obtained in the two years immediately prior to entering upon candidacy for the degree, or it may be obtained concurrently with the period of study for the degree.

A preliminary requirement for admission to graduate study for this degree is the completion of a minimum of eighteen semester hours of approved undergraduate work in education, including courses in educa-

tional psychology and in the history of education, or educational sociology, or school administration.

The requirements for the degree of Master of Education are twenty-four semester hours of graduate courses and a thesis. Candidates must take a minimum of twelve semester hours of work and write a thesis in the Department of Education. At least six semester hours must be taken in some department other than the Department of Education. Students who are preparing to teach are advised strongly to take twelve semester hours of graduate work in the subjects they intend to teach. In such cases the thesis may be prepared under the joint supervision of a department in which the student expects to teach and the Department of Education.

The requirements pertaining to residence, thesis, and examination for the degree of Master of Education are identical with those for the degree of Master of Arts. Students who work toward the degree of Master of Education in the Summer Session may substitute certain courses and examinations for the thesis requirement, as explained in the *Bulletin of the Summer Session*.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

THE DEGREE

The degree of Doctor of Philosophy is a research degree; it is not based merely upon the completion of a prescribed period of study or upon the obtaining of credit for a given number of courses. The granting of the degree will be based primarily upon evidence of high attainments in a special field of knowledge and upon the production of a thesis embodying the results of original research.

A student who plans to enter upon a program of work leading to the degree of Doctor of Philosophy should consult or enter into correspondence with the Dean of the Graduate School or the Chairman or Director of Graduate Studies of the department concerned. He will then be advised as to the possibility of securing the necessary instruction and supervision of research in the desired field.

RESIDENCE

The normal period of resident graduate study, after the general requirements for admission to the Graduate School have been satisfied, is not less than three academic years. The candidate must spend at least either the last year in actual residence at Duke University, or the first two years. A student whose undergraduate work is insufficient in amount or unsatisfactory in character may expect to spend additional time in preliminary courses essential as a basis for the graduate work he proposes to undertake.

Credit for one year of work done in summer sessions may be given with the approval of the Graduate School Council and the department in

which the student takes his major work. Except in unusual cases, graduate work of fragmentary character taken over a long period of years, or work completed many years before the student becomes a candidate for the degree at Duke University, will not be accepted as satisfying the requirements of residence.

PROGRAM OF STUDY

In the student's second year of graduate work a committee of five members is appointed by the Dean to formulate in consultation with the student the remainder of his doctoral program of study. The professor in charge of his research or the Chairman or Director of Graduate Studies in the student's major department serves as chairman. This committee, with occasional necessary changes, serves also as the examining committee on the student's preliminary and final Ph.D. examinations.

The program recommended by the committee is submitted to the Dean of the Graduate School for his approval on the regular form provided for that purpose. The student must select a major field and one or more minor related fields. When a department offers instruction in a sufficient variety of subjects and the needs of the individual student seem to require it, the Dean of the Graduate School may permit a major and minor to be taken in the same department. In all cases the student is encouraged to select a minor outside the major department.

FOREIGN LANGUAGES

A reading knowledge of French and German will be required. The student will be examined on one of the foreign languages at the beginning of his second year of graduate work. No person may appear for his preliminary examination without having satisfied the language requirements for the Doctor's degree. The department in which he takes his major work may indicate preference as to the language in which the student shall first be examined. Foreign language examinations will be conducted by the appropriate language department in conjunction with the department in which the student has his major field of work.*

PRELIMINARY EXAMINATION

Toward the end of the second full year of graduate work (or in special cases early in the third year), a preliminary examination of each candidate will ordinarily be held covering the general field of his studies. This examination will be conducted by the committee in charge of the student's work and will be either oral or written, or both as the committee may determine. A student who passes the examination will be recognized as a candidate for the Ph.D. degree. The examination on his subject or subjects will ordinarily be held at the time of his preliminary examination. Graduate students who transfer to Duke University to work toward the degree of Doctor of Philosophy and who have already passed the preliminary examination for that degree at another university must take the regular preliminary examination at Duke University.

* See University Calendar, pp. 5-6.

If a student fails on his first examination, he may make a second attempt after six months upon the recommendation of his committee and the approval of the Dean of the Graduate School. Two failures on this examination make the student ineligible to continue work toward the Ph.D. degree at Duke University.

THESIS

The thesis for the Ph.D. degree must be a contribution to knowledge. The subject of the thesis must be filed with the Dean of the Graduate School on or before October 15 of the academic year in which the candidate desires to take the final examination for his degree. The subject must receive the written approval of the Director of Graduate Studies of the department in which the candidate has his major field of work and also of the professor under whom the thesis is being written.

The thesis must be completed to the satisfaction of the professor under whom it is written, and four bound, typewritten copies in approved form must be deposited with the Dean of the Graduate School on or before April 15 if the student desires to be examined on the thesis in the same academic year. The bound copies of the thesis should contain at the end an autobiographical sketch of the student. The title page must be approved by the major department and by the Dean of the Graduate School. Two of the copies, the original and a carbon copy, are placed in the University Library.

The candidate's thesis must be published either in its original form or in a modified form approved by the Dean of the Graduate School and the committee in charge of the candidate's work. Ten copies of the published thesis should be deposited in the Graduate School Office as provided by regulations of the Graduate School Council. The degree will not be conferred until publication of the thesis, in approved form, within three years, has been guaranteed in a way satisfactory to the Dean of the Graduate School and the professor under whom the thesis was written.

FINAL EXAMINATION

The final examination on the thesis and on the related subject matter in the major or the minor fields will be oral. Approximately one year must elapse between the dates of the preliminary examination and the final examination. Two failures on this examination make a student ineligible to continue work toward the Ph.D. degree at Duke University. The second examination may be given only upon the recommendation of the professor in charge of the thesis and the approval of the Dean of the Graduate School.

THE GRADING OF GRADUATE STUDENTS

Members of the Faculty are expected to report the grades of graduate students not later than February 10 for the first semester and not later than June 10 for the second semester on the cards provided for that purpose.

In the grading of graduate students, "S" or satisfactory shall represent work of an acceptable character, "G" or good shall be the next higher grade, and "E" or exceptional shall be the highest grade. "F" or failing indicates that the grade of the student is below passing. In a course in which both graduates and undergraduates are enrolled, the grade "S" shall represent approximately an 80 per cent rating. A mark of "Incomplete" may be given when a student has failed, for an acceptable reason, to complete some portion of the required work in a course in which his standing is generally satisfactory. Unless a report is made within one year that the course has been satisfactorily completed, all credit will be lost.

GENERAL REGULATIONS

Not more than twenty-five students are permitted in a class giving graduate credit, nor are undergraduate students below the Senior year permitted in such a class. Exceptions to these rules may be made by special permission of the Graduate School Council on recommendation of the department concerned.

Candidates for advanced degrees should notify the Graduate School Office by April 1 of each year whether or not they expect to complete the requirements for the degree in time to receive it at the Commencement in May.

THE LIBRARY

The total number of volumes in the University Libraries on June 30, 1942, was 659,050 volumes. These are distributed among four main units: the General Library with 494,057 volumes; the Hospital (Medical) Library, 39,576 volumes; the Library of the Law School, 71,279 volumes; and the Woman's College Library, 54,138 volumes.

The work of students in the Graduate School is carried on primarily in the General Library. A Graduate Reading Room, which contains the reference material most in demand, provides a quiet and convenient place for study. Graduate students are also admitted freely to the stacks. Within the stacks are located 108 carrells or desks which are assigned on an annual basis, preference being given to students in the Graduate School. To facilitate work in the natural sciences, the General Library maintains departmental libraries adjacent to laboratories for the Departments of Chemistry, Physics, and Biology. Departmental libraries are also maintained for the Divinity School, the School of Engineering, and the School of Forestry.

In the field of mathematics and the sciences particular attention has been given to securing files of important journals and serials. A checklist of all scientific periodicals and serials on the University campus shows a total of approximately 2,200 files in a more or less complete form. The total number of current periodicals received by subscription, exchange, and gift in 1941-42 was 2,807, exclusive of duplicates.

In the field of the social sciences and the humanities every effort has been made to secure the basic collections of source material as well as the more important publications of criticism and discussion. This has been done by the acquisition of such sets as the *Die Griechischen Christlichen Schriftsteller der ersten drei Jahrhunderte*, *Corpus Scriptorum Ecclesiasticorum Latinorum*, Migne's *Patrologia*, the *Corpus Scriptorum Historiae Byzantinae*, the *Monumenta Germaniae Historica*, the *Acta Sanctorum*, the *Corpus Reformatorum*, the catalogs of the manuscript collections of the larger European libraries, complete files of the publications of the League of Nations, the International Labor Office, and many others. The endeavor to select the more important items in the various fields of graduate work has been supplemented by the purchase of a number of special collections and libraries. Among the more important of these might be mentioned a Peruvian library of approximately seven thousand books and manuscripts; a library of several thousand volumes dealing with Brazil; the recently acquired Robertson library of Philippiniana; the Lanson Collection of French literature consisting of twelve thousand books and monographs; a Goethe collection of one thousand volumes; a Scandinavian collection of three thousand volumes; a collection of about five thousand items of early Americana, dating from the seventeenth century to 1820; the Holl church history library dealing primarily with the period of the Reformation; a collection of many thousands of church minutes and records of American denominational history; two collections of eighteenth-century English poetry and prose totaling about five thousand items; two special collections, one dealing primarily with Byron and the other with Coleridge, containing a number of manuscripts, annotated copies, and first editions; a collection of material on the Fourier movement; and the Thomas Collection of books on Chinese history and culture. Special mention should be made of the George Washington Flowers Collection of manuscripts, books, newspapers, and pamphlets dealing with all phases of Southern history, and of the Trent Collection of Walt Whitman books and manuscripts.

PUBLIC DOCUMENTS

The importance of public documents as fundamental source materials for the social sciences and as containing also some of the most important work in the field of applied science is being clearly recognized, and an excellent start has been made toward a comprehensive collection of this material. The Library has been a depository for Federal documents since 1890. State documentary publications are also being systematically collected in co-operation with the University of North Carolina. Of European public documents a representative collection has been secured. Among the more notable items might be mentioned the *British Parliamentary Papers* (since 1925), *Calendar of State Papers*, the *Acts of the Privy Council*, *Hansard's Debates*, the *Débats Parlementaires* of the French Senate and Chamber of Deputies, the *Journal Officiel de la République Française*, the *Bulletin des Lois de la République Française*, the *Reichs-*

gesetzblatt, the *Verhandlungen des Reichstages*, the *Atti* of the Italian Parliament, and the *Diario* of the Spanish Cortes. The public documents of the Latin-American countries, especially Argentina, Brazil, Chile, and Peru, form one of the strongest units of the Library.

Under this heading should be mentioned also the Library of Professor Louis Strisower, Sometime President of the Institut de Droit International, which contains approximately five thousand volumes dealing with international law. The volumes date from the seventeenth century to the present and contain some especially valuable periodical files and rare books.

PUBLICATIONS OF EUROPEAN ACADEMIES

The Duke University Library has the publications of many of the European academies, containing monographs in most of the fields of knowledge and constituting important sources for the research programs of graduate students and Faculty. The sets comprise about two thousand volumes and include *Preussische Akademie der Wissenschaften* (Berlin); *Gesellschaft der Wissenschaften zu Göttingen*; *Sächsische Akademie der Wissenschaften* (Leipzig); *Bayerische Akademie der Wissenschaften* (Munich); *Heidelberger Akademie der Wissenschaften*; *Akademie der Wissenschaften* (Vienna); *Académie des sciences* (Paris); *Académie des inscriptions et belles-lettres* (Paris); *Académie des sciences morales et politiques* (Paris); *Accademia nazionale dei lincei*; *Accademia pontificia dei nuova lincei* (Rome); *Real academia española* (Madrid); *Academia de la historia* (Madrid); *Akademia nauk* (Leningrad); *Dansk videnskabsbernes selskab* (Copenhagen); *Norsk videnskapsakademi i Oslo*; *Akademie van Wetenschappen* (Amsterdam); *Académie royale des sciences, des lettres et des beaux-arts de Belgique* (Brussels); *Akademija umiejtnosci* (Krakow).

NEWSPAPERS

The Library collection of newspapers contains around twelve thousand volumes. Practically all states of the Union are represented, although the major part of the collection is from along the Atlantic seaboard. Of the eighteenth-century items, the states best represented are Massachusetts, Maryland, New York, Rhode Island, Virginia, North Carolina, South Carolina, and Georgia. There is an excellent collection of nineteenth-century New England papers. There are especially long runs of the *New York Herald*, *New York Times*, *New York Tribune*, and the *London Times*. The World War period is unusually strong with about twenty-eight titles practically complete for 1914-19. There is a group of papers from Germany in the years just after the World War. Special emphasis has been placed on the Southern States, and there are numerous volumes of papers from North Carolina, South Carolina, and Virginia, representing the Colonial period, the Ante-Bellum period, and the Civil War period. The current subscription list of eighty-five titles represents American public opinion and contains nineteen important foreign titles.

MANUSCRIPTS

The manuscript collection now contains approximately 820,000 pieces. Outstanding items include one notable Greek manuscript of the thirteenth century containing the entire New Testament. There is an interesting body of Rossetti material and a number of Tennyson letters. For the most part, however, the collection relates to the South Atlantic region. The field of American literature is represented by the papers of Paul Hamilton Hayne, Thomas Holley Chivers, William Gilmore Simms, John Esten Cooke, George Frederick Holmes, Thomas Nelson Page, and Walt Whitman. Material is most copious in the field of history, where the papers of both well-known and minor figures provide a well-rounded picture of life in the South during the nineteenth century. Aside from politics, information can be found on all phases of social and economic life. Particular attention is given to the period of the Civil War, with the result that the collection is rich in material on civic and social as well as military phases of that conflict. Of interest for historical studies are the papers of P. G. T. Beauregard, John C. Calhoun, David Campbell, John J. Crittenden, William H. Crawford, Jefferson Davis, James Mercer Garnett, Nathanael Greene, Louis M. Goldsborough, David B. Harris, William W. Holden, T. J. (Stonewall) Jackson, John M. Kell, Robert E. Lee, Francis R. Lassiter, George McDuffie, A. T. Mahan, Willie P. Mangum, Matthew Fontaine Maury, Francis W. Pickens, Richard Singleton, and Alexander H. Stephens. The Library has also recently acquired the archives of the American Socialist party from 1901 to 1938. The manuscript collection is increasing at the rate of about fifty thousand items annually.

EXCHANGE PRIVILEGES WITH THE LIBRARY OF THE UNIVERSITY
OF NORTH CAROLINA

The libraries of Duke University and of the University of North Carolina have completed arrangements for the fullest exchange of privileges and resources. Each library contains a catalogue of the contents of the other, and books requested from the other library are supplied through a delivery service which operates weekly. Faculty members and graduate students may secure cards admitting them to the stacks of the other library. The Library of the University of North Carolina contains approximately 450,000 volumes, besides a large collection of manuscripts relating to Southern history. Through this arrangement more than 1,150,000 volumes are available to students in the combined libraries.

SCIENCE LABORATORIES

BIOLOGICAL LABORATORIES

The Biology Building on the West Campus contains three refrigerated rooms, an incineration room, a workshop, an aquarium room, five animal rooms connected with outside yards, and eight dark rooms. Special laboratories are provided for advanced work in plant and animal physiology,

parasitology, cytology, taxonomy, bacteriology, ecology, histology, mycology, anatomy, embryology, endocrinology, entomology, forest soils, and wood anatomy and properties. A 300-acre arboretum is being developed adjacent to the campus with Dr. E. S. Harrar in charge. A greenhouse gives adequate space for experimental work and propagation. There is an herbarium of some fifty thousand specimens of all plant groups with a large representation of the Southern flora. Dr. H. J. Oosting is Curator of the Herbarium, and Dr. I. E. Gray is the Curator of the Zoological Museum. On the East Campus, laboratories are provided for undergraduate women, and there is a small greenhouse near the Science Building. Laboratories and rooms for students doing research are equipped with vacuum, compressed air, direct and alternating current, gas, and running water. Proper equipment and supplies for biological work are available.

The Duke Forest and its streams provide excellent collecting grounds. The Duke Forest is under the management of the School of Forestry. Duke University is situated in the Piedmont region, between the mountains and the coastal plains. This gives easy access to a varied flora and fauna. North Carolina is the home of the tulip poplar, holly, rhododendron, mountain laurel, flowering dogwood, several species of insect-catching plants, cypress, and other interesting plants. Among the animals are a varied assortment which range from marine to mountain species. In the woods about the University there is a great variety of animals.

The Duke Marine Laboratory at Beaufort, North Carolina, provides facilities for work on plants and animals in and near the ocean. It is situated on Piver's Island, adjacent to the Biological Laboratory of the United States Bureau of Fisheries. Dr. A. S. Pearse is Director.

PHYSICAL LABORATORIES

The physical laboratory contains approximately an acre of floor space which is devoted to instruction and research. In addition to the usual lecture and elementary laboratory facilities, laboratories are provided for work in electrical measurements, optics, atomic physics, and advanced measurements in general physics.

Rooms are provided for various instruments of research in spectroscopy, such as a 10-foot concave grating which is used in conjunction with a 32-meter-long stainless steel pipe for study of weak absorption; a vacuum spectrograph with a 2-meter glass grating; an apparatus for the study of the Raman spectra of gases photographed with a large 3-prism glass f 2.5 glass Zeiss spectrograph and various other spectroscopic instruments, such as the Hilger E-1, Moll microphotometer, etc.

Research facilities, such as counters, cloud chambers and ionization chambers, are available for the study of the properties of extremely high energy particles such as those present in the cosmic radiation.

A well-equipped shop operated by trained instrument makers makes possible the development of instructional and research apparatus. A shop is also provided for the use of the Staff and graduate students.

CHEMICAL LABORATORIES

Graduate work in chemistry is carried on in a modern building with a floor area of about 57,000 square feet. Of this total space a large proportion is available for research and advanced teaching. There are twenty-five double research rooms completely equipped with the usual services. In addition, a number of specially designed rooms are available for present or future research, such as a photographic room, constant temperature room, distillation room, combustion room, bomb room, and rooms equipped for dielectric constant and magnetic measurements.

A glass-blowing room and a well-equipped shop, operated by a competent mechanic, provide facilities for the construction of special apparatus and for the repair and maintenance of instruments.

MEDICAL SCHOOL

In the School of Medicine elaborate facilities are provided for post-graduate research in the various branches of medical science. The Departments of Anatomy, Bacteriology and Immunology, Biochemistry, and of Physiology, Pharmacology, and Nutrition offer certain courses and adequate research facilities to students in the Graduate School of Arts and Sciences. The use of the Duke Hospital Library is available to all graduate students.

THE DUKE FOREST

Through placing the Duke Forest under intensive management for forestry purposes, substantial progress has been made in developing the educational work and research in forestry. The Duke Forest consists of approximately six thousand acres of land, most of which is adjacent and easily accessible to the University campus. Situated in the lower Piedmont region and composed of second-growth shortleaf pine, loblolly pine, and hardwoods, the Forest is representative of the various types of timber growth and soils found throughout the region.

The proximity of the Forest to the laboratories, greenhouses, and library facilities of the University provides an excellent opportunity for advanced study and research in forestry. Research, particularly in the fields of silvics, forest soils, silviculture, forest management, properties of wood, forest-tree physiology, and forest pathology, is well under way. Several members of the Botany and Zoology Staffs are also engaged on research in the Duke Forest.

For additional information see the *Bulletin of the School of Forestry*.

ENCOURAGEMENT OF RESEARCH

The President of the University appoints annually a University Council on Research. The members of this Council are chosen from the Faculties of the Schools of Medicine and Law, the Divinity School, and the Graduate School of Arts and Sciences. In May of each year the Council on Research receives written applications from members of the Faculty for subsidies to be used in the following fiscal year to aid them in

carrying out research projects. Stipends are granted for the employment of research assistants, for the purchase of books and for apparatus, supplies, and equipment. Each member of the Faculty to whom a research stipend is granted must make a written report within twelve months to the Council concerning the progress of the investigation for which the stipend was allowed.

SPECIAL LECTURES

During each academic year the University Lecture Committee arranges for a number of special lectures of value to graduate students interested in various fields of knowledge. The Woman's College Lecture Series brings other guests to the campus. In addition to these lectures, a number of distinguished speakers appear each year on the programs of various schools and departments of the University.

Among the guest lecturers in 1942-43 were Wendell L. Willkie; Robert Frost, dean of American poets; Herbert Fischer, author and foreign correspondent; and Herbert Thompson Strong, Color Consultant, New York Museum of Science and Industry.

THE UNIVERSITY PRESS

In 1897 Trinity College began sponsoring the publication of "The Papers of the Trinity College Historical Society," which was distributed to members of the Society and on exchange to other institutions. This series was the first publishing venture of the College. In 1902, the 9019, an honor scholastic society on the campus, sponsored the launching of *The South Atlantic Quarterly*, which is now published by the Press.

In 1921 the Trinity College Press was established to publish the results of research engaged in by the Faculty and such other works as were approved by a board of editors appointed for the purpose. In 1925, with the acceptance of the benefaction of James B. Duke, Trinity College became one of the undergraduate colleges of Duke University, and the following year the University Press was organized to succeed the Trinity College Press.

One of the first steps of the new organization was to revive *The Hispanic American Historical Review*, which had been founded and published from 1918 to 1922 by a group of scholars interested in Hispanic America. Since 1926 its publication has been continued without interruption, and its mission has been supplemented by many studies dealing with the history, politics, and foreign relations of the Hispanic nations of the New World. In 1929 *American Literature* was begun with the co-operation of the American Literature Group of the Modern Language Association. This scholarly journal was followed in 1931 by *Ecological Monographs*, a quarterly sponsored by the Ecological Society of America to take care of papers too long for inclusion in *Ecology*. *Character and Personality*, an international quarterly appearing simultaneously in the United States and Great Britain, was founded in 1932 as a medium for the publication of studies in fields related to this phase of psychology. In 1935 the Press started the publication of the *Duke Mathematical*

Journal, with the co-operation of the Mathematical Association of America, and in 1937 *The Journal of Parapsychology* for the publication of the results of research in psychoanalysis, mental telepathy, and allied studies. For the Southern Association of Colleges and Secondary Schools, the Press publishes *The Southern Association Quarterly*, the official organ of the Association. The Law School issues a semiannual, *Law and Contemporary Problems*, presenting a symposium of some important legal problem in each number.

Besides its books, monographs, and regular quarterly publications the Press issues "Contributions to Psychological Theory" and "Duke University Research Studies in Education," the latter sponsored by the Department of Education of the University.

Since its organization the Press has offered to the public the products of scholarly research to the number of more than one hundred and twenty-five volumes. It has not limited its scope to any one field or to any one group of authors. In addition to the many works submitted by members of the Faculty, a great number of manuscripts by authors without a connection with the University have been issued under the imprint of the Press.

In the broadest sense, the present policy of the Press is to give to the public any scholarly work which, because of the merit of its contents, its style, and its general value, deserves publication.

APPOINTMENTS OFFICE

The University maintains an Appointments Office, whose services are extended to all graduate students without charge. Although placement of students in employment is most frequent in the fields of high-school teaching and industrial or commercial work, graduate students interested in college teaching or other activities should register with the Office in order to make available in one center information respecting their various qualifications for the employment they seek.

GRADUATE STUDY IN THE SUMMER SESSION

The Duke University Summer Session is divided into two consecutive terms of six weeks each. In 1943 the first term begins June 8 and ends July 19; the second term begins July 20 and ends August 28. Graduate students who wish to work toward advanced degrees in the Summer Session, particularly in Education, English, History, and Mathematics, will find a wide selection of courses offered by members of the Duke Faculty and by visiting professors. Other departments offering sequences of work leading to the Master's degree in a series of summer terms are Botany, Economics, French, Physics, Political Science, Psychology, Sociology, Spanish, and Zoology. Students in Botany and Zoology have unusual opportunities for research and study at the Duke Marine Laboratory near Beaufort, North Carolina, besides regular course offerings at the University.

Graduate students who present more than fifteen semester hours earned in summer sessions toward the Master's degree must meet a minimum residence requirement of thirty-three weeks. No graduate student may register for more than six semester hours of credit in one summer session of six weeks. All the work presented for the Master's degree must be completed within six years from the date of beginning. Work completed earlier is not accepted toward either the course or residence requirements. Not more than one year of summer work is accepted toward the residence requirements for the Ph.D. degree.

A bulletin containing information regarding the graduate courses to be offered during the summer of 1943 may be obtained by addressing the Director of the Summer Session, Duke University, Durham, N. C. Summer Session graduate students who desire to be admitted to graduate courses to work toward advanced degrees should make application to the Dean of the Graduate School by June 1 for admission to the first summer session and by July 15 for admission to the second summer session. They should also request the registrar of the college(s) attended to send to the Dean of the Graduate School an official transcript of their undergraduate record.

COURSES OF INSTRUCTION

Unless otherwise stated, all courses listed in this catalogue will be given on the West Campus. For those courses offered on the East Campus (E) will be inserted following the description. In general, courses with odd numbers are offered in the first semester, those with even numbers in the second semester. Some seminars bearing a single number continue throughout the year; in such cases it is indicated whether the semester hours of credit apply to the year or to each semester.

DIVISION OF ANCIENT LANGUAGES AND LITERATURES

PROFESSOR BRANSCOMB, CHAIRMAN—101 LIBRARY; PROFESSORS PEPPLER AND ROGERS; ASSOCIATE PROFESSORS CLARK AND STINESPRING; ASSISTANT PROFESSORS GATES AND WAY; DRS. ROSE AND TRUESDALE

GREEK

Three types of courses are offered for graduate study by the Greek Department, and one representative of each type is given every year. One group of courses is devoted to extensive reading in the six departments of classical Greek literature; another deals with Greek archaeology, dialects, and inscriptions; and the third is a series of seminars covering four years. The courses of each type rotate from year to year in a fixed order for the most part. In 1943-44 the courses offered are 207-208, 247-248, and 307-308.

The requirement for admission to graduate work is four years' study of the Greek language or twenty-four semester hours of course credit. A student with fewer credits may be admitted if he has undoubted ability.

FOR SENIORS AND GRADUATES

- 201-202. **Greek Tragedy.**—6 s.h. PROFESSOR PEPPLER
- 203-204. **Homer.**—*Odyssey*. Pindar and Bacchylides. 6 s.h.
ASSISTANT PROFESSOR WAY AND DR. TRUESDALE
- 205-206. **Greek Historians.**—6 s.h. PROFESSOR PEPPLER
- 207-208. **Greek Orators.**—6 s.h. ASSISTANT PROFESSOR WAY
- 209-210. **Plato.**—*Symposium*, *Protagoras*, and parts of the *Republic*. 6 s.h.
ASSISTANT PROFESSOR WAY
- 211-212. **Aristophanes.**—6 s.h. PROFESSOR PEPPLER
(Only one of the six courses listed above is offered each year.)
243. **Athenian Topography.**—The topography and monuments of ancient Athens. 3 s.h. ASSISTANT PROFESSOR WAY
244. **Greek Epigraphy.**—Lectures on the history of the alphabet and the development of the local Greek alphabets, followed by extensive reading of inscriptional texts in facsimile. 3 s.h. ASSISTANT PROFESSOR WAY
245. **Greek Dialects.**—A linguistic study of transliterated inscriptions illustrative of the major Greek dialects. The interrelations of the dialectal forms are examined, with reference, where possible, to their origin in pre-ethnic Greek. 3 s.h. ASSISTANT PROFESSOR WAY

246. Greek Historical Inscriptions.—The more valuable historical inscriptions are read in chronological order and interpreted in their general bearing upon the course of Greek history. 3 s.h. ASSISTANT PROFESSOR WAY

247-248. Greek Archaeology.—Advanced course in the general field for Seniors and Graduates, comprising architecture, sculpture, vases, and the minor arts. 6 s.h. ASSISTANT PROFESSOR WAY

(Of the courses numbered from 243 to 248, only two semester-courses are offered each year.)

257. Social and Cultural History of the Hellenistic World from Alexander to Augustus.—Lectures, readings, and discussion. 3 s.h. DR. TRUESDALE
[Not offered in 1943-44]

FOR GRADUATES

The more advanced work of the graduate department is done in the seminar. One author or group of authors forms the center of study each year. Seminars are offered in **Aristophanes (301-302)**, **The Greek Historians (303-304)**, **The Attic Orators (305-306)**, and **The Greek Tragic Poets (307-308)**. These run through a cycle of four years. In 1943-44 the work will be:

307-308. Seminar in the Greek Tragic Poets.—6 s.h.

PROFESSOR PEPPLER AND DR. ROSE

Graduate students of Duke University may attend the American School of Classical Studies in Athens, Greece, without charge for tuition, and they are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology, and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.

LATIN AND ROMAN STUDIES

The program of the Latin Department seeks to provide for two different kinds of students: (a) those who intend to pursue graduate study only to the attainment of the Master of Arts degree, and (b) those who desire to continue research in the field of classical studies and who contemplate working toward the degree of Doctor of Philosophy. Students of the former class should have not less than eighteen semester hours of credit in Latin, over and above the four-year high-school course in Latin or its college equivalent, and an elementary acquaintance with German and French. Students looking to the doctorate should have in addition to the above preparation twelve semester hours of credit in Greek and will ordinarily take their minor in Greek. They must have a reading knowledge of German and French. The ability to read Italian will also prove valuable. The Department reserves the privilege of rejecting applications of students who, while meeting these requirements literally, do not in their past record show promise of success in more advanced study.

FOR SENIORS AND GRADUATES

201. Roman Fiction.

202. Latin Christian Writers.

203-204. Roman Epic: Ennius, Vergil, Manilius, Lucan, Flaccus, Statius, Silius.—A study of this literary genre, and its development by Roman writers; extensive reading of the Roman epics. *Not offered if 205-206 is given.* 6 s.h. (E) ASSISTANT PROFESSOR GATES

205-206. **Roman Drama: Plautus, Terence, Seneca.**—A rapid reading course in which five plays of Plautus, three of Terence, and two of Seneca are studied. **6 s.h. (E)** ASSISTANT PROFESSOR GATES

207-208. **Roman Philosophy.**

209-210. **Vulgar Latin: Introduction to Romance Philology.**

211-212. **Roman Oratory.**—A survey of the history of Roman oratory, centering about the *Brutus* of Cicero and Tacitus' *Dialogus*. **6 s.h.** PROFESSOR ROGERS

215. **Introduction to Roman Art and Archaeology.**

216. **Topography and Monuments of Ancient Rome.**

251-252. **Roman Life.**

258. **Social and Cultural History of the Graeco-Roman World.**—The Roman Empire as the trustee of Hellenism and Christianity, and its own original contribution to modern civilization; lectures, readings, and discussion. **3 s.h.** PROFESSOR ROGERS

[Not offered in 1943-44]

281-282. **Roman Historical Literature.**

283-284. **Roman Law.**—Readings in the original sources with parallel study of modern exposition of the Roman legal system. **6 s.h.** PROFESSOR ROGERS

FOR GRADUATES

309-310. **Sight Reading and Composition.**—Comprehensive reading in special fields of Roman Literature not included in other courses, with which the writing of Latin will be correlated. **6 s.h.** DR. ROSE

311-312. **Latin Epigraphy.**—Introduction to Latin epigraphy, with considerable practice in reading short inscriptions, *first semester*; and this is followed by a study of important historical inscriptions including the Monumentum Ancyranum, *second semester*. **6 s.h.** PROFESSOR ROGERS

Seminars: Various authors or historical periods are selected from year to year as a basis for training in criticism and research. Seminars are offered in the following: *Catullus* (301-302), *Roman Historians* (331-332), *Roman Provincial Administration* (341-342), *The Reign of Tiberius* (343-344), *Martial* (351-352), *Horace* (361-362), *Lucretius* (371-372), and *Cicero's Public Career* (391-392). The seminar planned for 1943-44 is:

341-343. **Roman Provincial Administration.**—**6 s.h.** PROFESSOR ROGERS

LINGUISTICS

FOR GRADUATES

375-376. **Greek and Latin Linguistics.**—A comparative study of the development of forms and flexions in Greek and Latin. **6 s.h.** DR. ROSE

385-386. **Elementary Sanskrit.**—An introductory course to the classical language and literature. The linguistic importance of Sanskrit will be stressed, especially with reference to Greek, Latin, and Germanic. **6 s.h.** DR. ROSE

SEMITICS

FOR SENIORS AND GRADUATES

201-202. First Hebrew.—The principles and structure of the Hebrew language, with translations of selected Old Testament narratives. **6 s.h.**

ASSOCIATE PROFESSOR STINESPRING

205-206. Elementary Arabic.—Introduction to the classical language and literature, with some attention to the modern colloquial idiom. **6 s.h.**

[Not offered in 1943-44]

ASSOCIATE PROFESSOR STINESPRING

207-208. Second Hebrew.—Samuel or Kings the first semester; Isaiah the second. **6 s.h.**

ASSOCIATE PROFESSOR STINESPRING

FOR GRADUATES

304. Aramaic.—A study of the Aramaic portions of the Old Testament and selected passages from the Targums, Midrashes, and Talmuds. **3 s.h.**

ASSOCIATE PROFESSOR STINESPRING

305. Third Hebrew.—A study of late Hebrew prose, with readings from Chronicles, Ecclesiastes, and the Mishnah. Hours to be arranged. **3 s.h.**

ASSOCIATE PROFESSOR STINESPRING

309. History of the Ancient Near East.—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in the light of Biblical archaeology. **3 s.h.**

ASSOCIATE PROFESSOR STINESPRING

316. Judaism at the Beginning of the Christian Era.—**3 s.h.**

PROFESSOR BRANSCOMB

RELATED COURSES IN OTHER DEPARTMENTS

Philosophy 217. Philosophy of Aristotle.—**3 s.h.**

DR. McLARTY

[Not offered in 1943-44]

Religion 218. Galatians and I Corinthians.—**3 s.h.** PROFESSOR BRANSCOMB

Religion 315. Hellenistic Religions at the Beginning of the Christian Era.—**3 s.h.**

ASSOCIATE PROFESSOR CLARK

Religion 318. Text of New Testament.—**3 s.h.**

ASSOCIATE PROFESSOR CLARK

Under the terms of a co-operative agreement graduate students of Duke University may, with the approval of the chairman of their major department, take any graduate course offered by the Departments of Greek and Latin of the University of North Carolina by the payment of a nominal fee. A list of these courses will be sent upon request.

BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN—203 BIOLOGY BUILDING; PROFESSOR WOLF, DIRECTOR OF GRADUATE STUDIES—315 BIOLOGY BUILDING; ASSOCIATE

PROFESSORS ADDOMS, HARRAR, AND KRAMER; ASSISTANT PROFESSORS ANDERSON, OOSTING, AND PERRY

For admission to candidacy for the Master of Arts degree in botany, students must have completed a minimum of at least eighteen semester hours of biological science, of which six semester hours must be in courses in botany of Junior or Senior grade. The botanical work must have been of good quality. As an additional preparatory basis, it is highly desirable that the

student shall have had a year of chemistry and a year of physics. Students who have not met these requirements may be admitted provisionally and may carry courses for undergraduate credit, if permission is given by the instructor. A total of twenty-four hours of advanced courses, eighteen of which are in botany and six in the minor department, and a thesis are required for the Master of Arts degree.

FOR SENIORS AND GRADUATES

202. Genetics.—The principles of heredity, their cytological basis, and their bearing on other fields of biology. Laboratory work involves experimental breeding of the fruit fly and interpretation of data from the breeding of plants. Offered in alternate years. Prerequisites: one year of botany, zoology, or equivalent, and college algebra. **4 s.h.**

ASSISTANT PROFESSOR PERRY

203. Plant Cytology.—A study of the structure and organization of plant cells in relation to growth, reproduction, and especially heredity. Offered in alternate years. Prerequisite: one year of botany. **4 s.h.**

[Not offered in 1943-44]

ASSISTANT PROFESSOR ANDERSON

204. Advanced Plant Anatomy.—The structure of vegetative and reproductive organs of seed plants, including a consideration of seedling anatomy. Special reference is made to plants of economic importance. Offered in alternate years. Prerequisite: Botany 55 or equivalent. **4 s.h.**

ASSOCIATE PROFESSOR ADDOMS

216. Botanical Microtechnique.—Studies in methods of preparing temporary and permanent microscopical slides; theory of staining; the use of the microscope, especially microscopical measurements, drawing, and photomicrography, botanical photography, and lantern slides. Prerequisite: two semesters of botany. **4 s.h.**

ASSISTANT PROFESSOR ANDERSON

221. Structure and Classification of Fungi.—Prerequisite: two semesters of botany. **4 s.h.**

PROFESSOR WOLF

225-226. Special Problems.—Students with adequate training may do special work in the following fields. Credits to be arranged.

(a) Bacteriology, Mycology, and Plant Pathology. PROFESSOR WOLF

(b) Cytology. ASSISTANT PROFESSOR ANDERSON

(c) Ecology. ASSISTANT PROFESSOR OOSTING

(d) Genetics. ASSISTANT PROFESSOR PERRY

(e) Morphology and Anatomy of Higher Plants.
ASSOCIATE PROFESSORS ADDOMS AND HARRAR,
ASSISTANT PROFESSOR OOSTING

(f) Morphology and Taxonomy of Lower Groups.
PROFESSOR BLOMQUIST AND ASSISTANT PROFESSOR ANDERSON

(g) Physiology. ASSOCIATE PROFESSORS ADDOMS AND KRAMER

(h) Plant Microchemistry. ASSOCIATE PROFESSOR ADDOMS

(i) Taxonomy of Higher Groups. PROFESSOR BLOMQUIST

252. Advanced Plant Physiology.—The physicochemical processes and conditions underlying the physiological processes of plants. Prerequisite: Botany 151 or equivalent; organic chemistry recommended. **4 s.h.**

ASSOCIATE PROFESSOR KRAMER

255. Advanced Taxonomy.—A study of the historical background of plant taxonomy, modern concepts and systems of classification, nomenclatorial problems and the taxonomy of specialized groups. Prerequisite: two years of botany, including Botany 52 or equivalent. **4 s.h.** PROFESSOR BLOMQUIST

256. Field Ecology.—An ecological survey of local vegetation, including theory and practice in the use of instruments for precise habitat studies, and analysis of community and successional relationships. Offered in alternate years. Prerequisites: Botany 1, 2 and 52, or equivalent. **4 s.h.**

ASSISTANT PROFESSOR OOSTING

FOR GRADUATES

305. Plant Geography.—The distribution and limits of vegetation types with special consideration of the plant communities of North America. Offered in alternate years. Prerequisite: Botany 156 or equivalent. **4 s.h.**

[Not offered in 1943-44]

ASSISTANT PROFESSOR OOSTING

310. Structure and Classification of Bryophytes and Pteridophytes.—The morphological and systematic characteristics of mosses, liverworts, ferns, and fern allies. Prerequisite: two years of botany. **4 s.h.** PROFESSOR BLOMQUIST

311. Structure and Classification of Algae.—The morphological and ecological characteristics of the common freshwater and marine forms and the principles underlying their classification. Collecting, identification, and the making of permanent microscopical preparations. Prerequisite: two years of botany. **4 s.h.**

PROFESSOR BLOMQUIST

341. Methods in Plant Physiology.—The theory and use of apparatus and methods in physiological research. **4 s.h.** ASSOCIATE PROFESSOR KRAMER

[Not offered in 1943-44]

342. Plant Microchemistry.—The identification and estimation of the constituents of plant cells by the use of microchemical tests. Offered in alternate years. **2 s.h.**

ASSOCIATE PROFESSOR ADDOMS

359-360. Research in Botany.—Individual investigations in the various fields of botany. Credits to be arranged. STAFF

397-398. General Botanical Seminar.—One hour per week throughout the year. Required of all graduates majoring in botany. **2 s.h.** STAFF

FOREST BOTANY

FOR SENIORS AND GRADUATES

224. Forest Pathology.—Special reference to disease of forest trees. Prerequisites: Botany 1, 2. **3 or 4 s.h.** PROFESSOR WOLF

253. Dendrology.—Nomenclature, classification, and identification of woody plants with special reference to species indigenous to southeastern United States and other important forest regions of temperate North America. Laboratory and field work. Prerequisite: one year of botany. **3 s.h.**

PROFESSOR BEAL

RELATED COURSES IN OTHER DEPARTMENTS

These related courses may be counted toward a major in botany.

Zoology 341. Historical and Philosophical Zoology.—**2 s.h.**

[Not offered in 1943-44]

PROFESSOR HARGITT

Forestry 257. Design of Forestry Experiments and Analysis of Data.—**5 s.h.** PROFESSOR SCHUMACHER

CHEMISTRY

PROFESSOR GROSS, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—219 CHEMISTRY BUILDING; PROFESSORS BIGELOW, LONDON, VOSBURGH, AND WILSON;
ASSOCIATE PROFESSORS HAUSER AND SAYLOR; ASSISTANT
PROFESSORS BROWN, HILL, AND HOBBS; DR. BRADSHAW

The graduate work in the Department is planned so as to provide a broad basic training in the fields of inorganic, organic, analytical, and physical chemistry. The selection of the research problem for the A.M. or Ph.D. degree determines in which field further specialization takes place.

In the requirements for the Ph.D. degree the most emphasis is placed on the successful completion, under the direction of a member of the Staff, of a research program leading to the solution of an original problem.

FOR SENIORS AND GRADUATES

215-216. Advanced Inorganic Chemistry.—A study of modern theories of valence and molecular structure; also of inorganic compounds, particularly the less common types, the colloidal state of matter, and the phase rule, illustrated by suitable laboratory preparations. Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214, and ability to read German are desirable. **6 s.h.**

PROFESSOR VOSBURGH AND ASSISTANT PROFESSOR HILL

Chemistry 233-234. Instrumental Analysis.—Experiments in the use of various physical measuring instruments in chemical analysis. Three laboratory hours. Prerequisites: Chemistry 70 and 261-262. **2 s.h.**

PROFESSOR VOSBURGH AND ASSOCIATE PROFESSOR SAYLOR

Chemistry 236. Theory of Analytical Chemistry.—A study of such topics as precision and errors, theories of precipitation and titration, oxidation and reduction, and others, illustrated by typical analytical methods, including some physicochemical methods. One lecture. Prerequisites: Chemistry 70 and 261-262. **1 s.h.**

PROFESSOR VOSBURGH

241. Physiological Chemistry.—A study of the chemistry of human physiology. Clinical aspects of the subject are treated with reference to the need of prospective medical students. Two recitations and six laboratory hours. Prerequisites: Chemistry 70 and 151-152. Course 261-262 is desirable though not required. **4 s.h.**

PROFESSOR WILSON

242. Metabolism.—Open to students who have completed course 241 or its equivalent, and who have a reading knowledge of German. Lectures and collateral reading deal with the probable fate of foodstuffs in the body, the nitrogen balance, energy requirement, nutritive ratios, vital factors, and ductless glands. The laboratory work consists mainly of blood analysis under both normal and pathological conditions. The laboratory or lectures may be taken separately. Two lectures, credit **2 s.h.**, and 6 laboratory hours, credit **2 s.h.** **4 s.h.**

PROFESSOR WILSON

253-254. Advanced Organic Chemistry.—A continuation of Chemistry 151-152, including discussion of the theories of organic chemistry. The laboratory work will include qualitative organic analysis, together with preparations of the more difficult type, requiring reference to the original literature. Two lectures and three or six laboratory hours. Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. **6 or 8 s.h.**

PROFESSOR BIGELOW, ASSOCIATE PROFESSOR HAUSER, AND
ASSISTANT PROFESSOR BROWN

261-262. Physical Chemistry.—Fundamentals of general theoretical chemistry illustrated by selected laboratory experiments. Two recitations and three laboratory hours. Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent, and Mathematics 8 or 51-52 are required except by special permission of the Department. In exceptional cases, and with the permission of the Department, graduate students may offer other advanced science courses in place of some of these prerequisites. Undergraduates are admitted to this course only by permission of the Director of Undergraduate Studies. **6 s.h.**

PROFESSOR GROSS, ASSOCIATE PROFESSOR SAYLOR,
AND ASSISTANT PROFESSOR HOBBS

265-266. Chemical Physics. Statistical Theory, Principles and Applications.—General introduction to statistical methods and applications to chemical problems; solution theory, reaction velocity, changes of state, quantum statistics and the metallic state. Undergraduates are admitted to this course only by permission of the Director of Undergraduate Studies. Lectures, conferences, and assigned problems. **8 s.h.**

PROFESSOR LONDON

267-268. Chemical Physics. Theoretical Aspects of Atomic and Molecular Structure.—Theories of the chemical bond; atomic and molecular forces. Undergraduates are admitted to this course only by permission of the Director of Undergraduate Studies. Lectures, conferences, and assigned problems. **8 s.h.**

PROFESSOR LONDON

271. Introduction to Research.—Lectures on the use of chemical literature, research methods, recording and publication of results, preparation of theses, and other topics. One lecture. **1 s.h.**

PROFESSORS BIGELOW, GROSS, AND VOSBURGH

273-274. Seminar.—Required of all graduate students in chemistry. One hour a week discussion. **2 s.h.**

PROFESSORS BIGELOW, GROSS, AND VOSBURGH; ASSOCIATE PROFESSORS
HAUSER AND SAYLOR; ASSISTANT PROFESSORS BROWN, HILL,
AND HOBBS; AND DR. BRADSHAW

275-276. Research.—The aim of this course is to give instruction in methods used in the investigation of original problems. It is open to Seniors who have had courses 70, 151-152, and who are taking 261-262. Nine hours a week and conferences. **3 or 6 s.h.**

PROFESSORS BIGELOW, GROSS, LONDON, AND VOSBURGH; ASSOCIATE
PROFESSORS HAUSER AND SAYLOR; ASSISTANT PROFESSORS BROWN,
HILL, AND HOBBS; AND DR. BRADSHAW

FOR GRADUATES

303. Thermodynamics.—Fundamental laws of thermodynamics and their applications to chemistry and physics. Offered jointly by the Departments of Chemistry and Physics. **3 s.h.**

PROFESSORS GROSS AND SPONER

304. Chemical Thermodynamics.—A continuation of course 303 with emphasis on applications to chemical problems. The topics considered include chemical equilibrium, theory of solutions, reaction kinetics and dipole theory. **3 s.h.**

PROFESSORS GROSS AND VOSBURGH, AND ASSOCIATE PROFESSOR SAYLOR

351-352. Advanced Synthetic Organic Chemistry.—Recent advances in certain selected fields, such as medicinals, dyes, perfumes, terpenes, and alkaloids, will be discussed. The emphasis will be placed on structure studies and synthetic methods. Lecture or seminar one hour each week. **2 s.h.**

PROFESSOR BIGELOW AND ASSOCIATE PROFESSOR HAUSER

363-364. Advanced Physical Chemistry.—A discussion of recent advances in particular fields such as reaction kinetics and catalysis, solutions, molecular forces and molecular structure. Prerequisites: Chemistry 261-262 or its equivalent and calculus. 6 s.h.

PROFESSORS GROSS AND VOSBURGH; ASSOCIATE PROFESSOR SAYLOR;
ASSISTANT PROFESSORS HILL AND HOBBS

RELATED COURSES IN OTHER DEPARTMENTS

BIOCHEMISTRY

M241. General Biochemistry.—Prerequisites: general chemistry, organic chemistry, elementary physical and analytical chemistry, and at least one year of college biology. May-Aug., 1944. 6 s.h.

DRS. PERLZWEIG AND TAYLOR, AND STAFF

M242. Biochemical Preparations.—Prerequisite: Biochemistry M241. *Hours by arrangement.* 2 s.h.

DR. TAYLOR AND STAFF

M243-244. Physical Chemical and Colloid Chemical Principles of Biochemistry.—Two hours per week throughout the year.

DR. NEURATH

M341. Pathological Chemistry.—Two hours per week by arrangement. Prerequisites: Biochemistry M241 and Physiology M261-2.

DRS. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

M343. Immunochemistry.—2 s.h.

DRS. MARTIN AND NEURATH

M345. Biological Oxidations.—2 s.h.

DR. COOLIDGE AND STAFF

M363-364. Advanced Seminar in Nutrition.—Prerequisites: Biochemistry M241 and Physiology M261 or equivalents. Two hours weekly. 4 s.h.

DR. DANN

ECONOMICS

PROFESSOR HOOVER, CHAIRMAN—103 ADMINISTRATION BUILDING; PROFESSOR HAMILTON, DIRECTOR OF GRADUATE STUDIES—503 LIBRARY; PROFESSORS DE VYVER, SPENGLER, AND VON BECKERATH; ASSOCIATE PROFESSORS BLACK, LESTER, AND RATCHFORD; ASSISTANT PROFESSORS SPRINGER AND WELFLING

A student who proposes to major in economics in his graduate work should have completed in his undergraduate program twelve semester hours of course credit in economics with a grade of "B" or better. At least five semester hours or the equivalent should represent work in Principles of Economics. In the event of a deficiency in his undergraduate preparation, the student may arrange with the Director of Graduate Studies to remove the deficiency during his first year of residence by taking prescribed courses without graduate credit.

FOR SENIORS AND GRADUATES

217. Population Problems and Resources.—A critical survey of the economic laws of returns and of pre- and post-Malthusian population theory; consideration of the relation between natural increase and the laws of economic distribution and of the effects of changes in the rate of natural increase upon various classes of industry and upon employment; examination of the factors which govern population growth and of current population trends; analysis of international economic and political problems which are founded upon population pressure; consideration of the economic and the biological aspects of differential birth rates. 3 s.h.

PROFESSOR SPENGLER

218. Business Cycles.—Description and analysis of the causes and consequences of economic rhythms and movements of various lengths (e.g., seasonal, cyclical, long-period, etc.). Analysis of methods proposed as means of curtailing such movements, or of mitigating their effects. **3 s.h.**

ASSOCIATE PROFESSOR LESTER

230. Public Debts in the United States.—A study of the characteristics of public credit as shown by the experience of national, state, and local governments in the United States. Topics considered include: forms, methods, and purposes of borrowing; effects of the contraction and repayment of debts on governmental fiscal policies, the banking and credit system, and business activity; methods of controlling or limiting debts; refunding and adjustment procedures; defaults and repudiations. **3 s.h.**

ASSOCIATE PROFESSOR RATCHFORD

231. The Economic History of Modern Europe.—A study of the economic development of Europe since the sixteenth century to the present, treating such topics as the guilds, mercantilism, money, banking, crises, the Industrial Revolution, the interrelationships of government and business, and the economic consequences of war. The historical backgrounds of present economic problems will be emphasized. **3 s.h.**

PROFESSOR HAMILTON

232. The Economic History of the United States.—A study of the agricultural, industrial, commercial, and financial progress of the United States from Colonial times to the present day. Special attention will be devoted to mass production, business cycles, great fortunes, and the relationships between government and business. **3 s.h.**

PROFESSOR HAMILTON

233. State and Local Finance.—A study of expenditures, taxation, and financial administration in state and local governments with emphasis on current problems. Special attention will be given to research methods and materials and to the financial relations between state and local governments. **3 s.h.**

ASSOCIATE PROFESSOR RATCHFORD

234. Federal Finance.—A study of the expenditures, revenues, and financial administration of the government of the United States, with emphasis on current problems. Special attention given to budgetary procedure, corporate and individual income taxes, and the financial relations between federal and state governments. **3 s.h.**

ASSOCIATE PROFESSOR RATCHFORD

237-238. Statistical Methods.—A study of statistical methods appropriate for dealing with problems in business and the social sciences. In addition to developing more thoroughly the subjects considered in *Business Statistics*, the following methods will be considered: simple, multiple, partial, and curvilinear correlation; curve fitting; probability; frequency distributions; and reliability of estimates. Prerequisite: Economics 138 or consent of the instructor. **6 s.h.**

ASSISTANT PROFESSOR SPRINGER

239. Prices.—A theoretical and historical study of the forces governing commodity prices and wages. In 1943-44 special attention will be devoted to the control of wartime inflation and postwar deflation. **3 s.h.**

PROFESSOR HAMILTON

241-242. Value and Distribution.—This course is a critical survey of the leading contemporary explanations of price formation and of the determination of interest, rent, wages, and profits. **6 s.h.**

PROFESSOR SPENGLER

245. Problems of Modern Industrialism.—This course first surveys technological efficiency and market organization as limiting factors in the determination by industrial management of the rational requirements of plant organization. External political and social forces are then introduced into the complex to show modern industrialism as a phase of mature capitalism. Against

the background of modern capitalism, the issue and trends of public policy with respect to economic organization in America and Europe are compared and appraised, and the lessons of the Temporary National Economic Committee Hearings on Industry are evaluated. 3 s.h. PROFESSOR VON BECKERATH

253. Labor Problems.—An examination of present-day labor problems followed by an intensive study of methods used by employers and workers in meeting those problems. 3 s.h. PROFESSOR DE VYVER

256. Labor Legislation.—A study of the relations of the state to labor problems with special reference to remedial legislation, to interference in labor disputes, and to social insurance. 3 s.h. PROFESSOR DE VYVER
[Not offered in 1943-44]

260. Social Insurance.—A consideration of the economic and social problems involved in workmen's compensation laws, unemployment insurance, old-age pension, and health insurance for workers. Particular attention will be given to the present federal and state social security legislation. 3 s.h. PROFESSOR DE VYVER

265. International Trade and Tariff Policies.—An analysis of the theoretical principles underlying international trade with an historical study of the foreign trade and tariff policies of the United States, France, Germany, and England from the eighteenth century to the present. 3 s.h. PROFESSOR VON BECKERATH

266. International Finance.—A study of the mechanism of international payment with attention to international movements of capital, the peculiarities of an inconvertible paper money regime, and related problems. 3 s.h. PROFESSOR HAMILTON
[Not offered in 1943-44]

268. Competitive versus Monopolistic Enterprise.—(1) Competition as an economic order; (2) competition as a political order; (3) monopoly as a disturbance of (1) and of (2). (4) What can government do for the maintenance of the competitive order? (5) What can the judiciary do for the maintenance of the competitive order? (6) What can business do for the maintenance of the competitive order? (7) Limits and difficulties of a liberal solution. (8) Short discussion of different types of compromise solutions, both in the governmental and the economic field. (9) The effects of war on competition and private enterprise. 3 s.h. PROFESSOR VON BECKERATH

270. Economics of War.—A study of the economic causes of war; the economic problems of neutrals; transition from a peace to a war economy; the cost of war and national defense; war finance through taxes, loans, and inflation; price and wage controls; rationing and priorities; the allocation of labor and resources; restrictions on shipping and exchange; the technique and results of economic warfare; war and technology; demobilization and unemployment; the return to a peace economy; debts, reparations, and indemnities; and postwar depressions. 3 s.h. PROFESSORS HAMILTON AND VON BECKERATH

275-276. Advanced Industrial Accounting and Management.—This course traces the ways and means of executive control through statistics and industrial accountancy. Emphasis is put upon the economics of overhead costs. A complete practice set of cost accounting is worked by each student during the course. Courses 57-58 and 105 are ordinarily prerequisites for this course. 6 s.h. ASSOCIATE PROFESSOR BLACK

[Not offered in 1943-44]

FOR GRADUATES

311-312. History of Political Economy.—This course traces the development of economic theory, giving special attention to the various schools of

economic thought in England, France, Germany, and the United States. A large amount of collateral reading in the works of typical authors is required. Lectures and class discussions. 6 s.h. PROFESSOR HAMILTON

313-314. Seminar in Economic Theory.—The course consists of directed research in economic theory. The primary purpose is the correction of authoritative eclecticism and its replacement by individually integrated theory. Prerequisite: Economics 241-242 or its equivalent. 6 s.h. PROFESSOR HOOVER

315. Economic Systems.—A study of alternative economic systems. In addition to an analysis of communism, anarchism, and the variants of socialism, the course will include a consideration of other proposed modifications of the existing economic order. Credit for this course will be given only if the student takes Economics 316. 3 s.h. PROFESSOR HOOVER

316. Economic Functions of the State.—A consideration of the primary and secondary economic functions of government and of the legislation which provides for the performance of these functions, such as social legislation and the regulation of commerce and industry. Prerequisite: Economics 315 or its equivalent. 3 s.h. PROFESSOR HOOVER

318. General Seminar in Economics.—All graduate students with economics as a major subject are members of this seminar. Reports of progress in research will be made, and there will be lectures and critical discussion by members of the Department. Year course. No credit. STAFF

RELATED COURSES IN OTHER DEPARTMENTS

Attention is called to the following courses in related departments:

Forestry 279. Economics of Forestry.—3 s.h. PROFESSOR WACKERMAN

History 219-220. The History of the European Proletariat.—6 s.h.
[Not offered in 1943-44] PROFESSOR CARROLL

Political Science 207. American Constitutional Law and Theory.—3 s.h.
PROFESSOR WILSON

EDUCATION

PROFESSOR HOLTON, CHAIRMAN—104 PAGE AUDITORIUM; PROFESSOR BROWNELL, DIRECTOR OF GRADUATE STUDIES—1C WEST DUKE BUILDING; PROFESSORS CARR, CHILDS, AND PROCTOR; ASSOCIATE PROFESSOR SCATES; ASSISTANT PROFESSORS EASLEY AND VAN ALSTYNE

The Department offers a full major of work in educational psychology toward the degree of Doctor of Philosophy, with approved minors in as many as two of the divisions listed for the Master's degree, and an approved minor in psychology or in some other department offering work closely related to the thesis problem of the candidate. It is planned to offer complete majors in other divisions as rapidly as the growth of the Department justifies.

The Department offers work toward the Master of Arts and Master of Education degrees, and minor work toward the Doctor of Philosophy degree, in the divisions of elementary education, experimental education and educational psychology, history and philosophy of education, public school administration, and secondary education and educational sociology. It is important for students who are degree candidates to choose their course according to some unified plan; they are reminded that mere accumulation of more or less unrelated courses in various divisions with minor work in some department only remotely related to the student's major work does not lead to a graduate degree. Every candidate for a Master's degree should elect at least six, and preferably twelve, semester hours of course work in the special division in

which he intends to write his thesis. Students who expect to write theses in the history of education are required to take their minor work in American history. Students writing in school administration are advised to elect minor work in economics and political science. Students in educational psychology should elect their minor work in psychology. No student, except by special approval of the Department and of the Graduate School, is permitted to take minor work in more than one department or to the amount of more than six semester hours.

For admission to candidacy for the Master of Arts (A.M.) degree with major in Education, or for the Master of Education (M.Ed.) degree, students must, in addition to meeting the general requirements for admission to the Graduate School, meet the following specific requirements: (1) eighteen semester hours of acceptable prior work in Education; (2) twelve semester hours acceptable prior work in a minor field (exception: if psychology or sociology is offered for the minor, six semester hours of work completed after entering the junior year in college will be accepted).

ELEMENTARY EDUCATION

FOR SENIORS AND GRADUATES

207. Technique of Teaching.—An advanced course in the teaching process, dealing with the theory underlying sound technique and applied specifically to the work of the elementary school. 3 s.h. (E) PROFESSOR CARR
[Not offered in 1943-44]

212. Psychology of the Elementary School Subjects.—A study of the psychology of learning as applied to teaching the common school subjects. 3 s.h. (E) PROFESSOR CARR

222. The Curriculum and Materials of the Elementary Grades.—A study of curriculum problems in the elementary schools. 3 s.h. (E) PROFESSOR CARR
[Not offered in 1943-44]

232. Elementary School Supervision.—A survey of supervision as a means of improving instruction and adapting the curriculum to child and community needs. 3 s.h. (E) PROFESSOR CARR
[Not offered in 1943-44]

FOR GRADUATES

305. The Nature, Function, and Reorganization of the Curriculum.—Selected problems guiding the reading of students. *Second semester.* 3 s.h. (E) PROFESSOR CARR
[Not offered in 1943-44]

EXPERIMENTAL EDUCATION AND EDUCATIONAL PSYCHOLOGY

FOR SENIORS AND GRADUATES

208A. Mental Tests and Applications.—A study of the development of intelligence testing, the concept of general intelligence, various recent applications of mental tests, and training in the giving of individual tests. Prerequisite: course 258 or six semester hours of other work in educational psychology or psychology. *First semester.* 3 s.h. (E) ASSISTANT PROFESSOR VAN ALSTYNE

208B. Practicum.—Open only to students approved by the instructor. *Second semester.* 2 s.h. (E) ASSISTANT PROFESSOR VAN ALSTYNE

209. Statistical Methods Applied to Education.—A study of statistical methods of treating educational and social data designed to enable teachers or administrators to interpret and use the results of scientific investigations in education. 2 s.h. (E) ASSOCIATE PROFESSOR SCATES

216. Psychological Principles of Secondary Education.—A study of adolescence and the psychology of learning as applied to teaching the principal high-school subjects. **3 s.h. (E)**
 PROFESSOR CHILDS
 [Not offered in 1943-44]

217. Advanced Educational Psychology.—A systematic survey of the field of educational psychology, required of all majors in that field. **3 s.h. (E)**
 PROFESSOR BROWNELL

218. Educational Implications of Genetic Psychology.—A study of the development of the individual through the stages of growth and learning, with emphasis upon early and later childhood; the development of such behavior patterns as play, language, etc.; the process of socialization, etc. Prerequisite: six semester hours of psychology or educational psychology. **3 s.h. (E)**
 PROFESSOR BROWNELL

219. Experimental Education.—This course is designed to provide training (1) in planning, (2) in prosecuting, and (3) in reporting quantitative investigations in the field of education, more especially in the field of learning and teaching the various school subjects. **3 s.h. (E)**
 [Not offered in 1943-44] PROFESSOR BROWNELL

227. The Psychology of Learning: Problems.—The major problems related to the learning process will be examined, with the experimental literature bearing on them. The curves of learning and forgetting, the distribution of practice, economical methods of learning, and the transfer of training will be the major topics considered. **3 s.h. (E)**
 ASSISTANT PROFESSOR EASLEY
 [Not offered in 1943-44]

228. The Psychology of Learning: Theoretical and Experimental.—In this semester the laws of learning, the most important explanatory principles, and the major systems of psychology of learning will be considered. Class experiments will run throughout the semester. Prerequisite: course 227 or its equivalent. **3 s.h. (E)**
 ASSISTANT PROFESSOR EASLEY
 [Not offered in 1943-44]

237. Investigations in Reading.—A summary of the results of the more important scientific studies in reading; interpretation of the results in terms of aims, methods, materials of instruction, testing, diagnosis, and supervision; emphasis on problems requiring further investigation. **3 s.h. (E)**
 PROFESSOR CARR

247. Investigations in Arithmetic.—An analytical survey of investigations in arithmetic, with three purposes in view: (1) to examine the techniques employed with respect to their adequacy as means of solving the problems attacked; (2) to test the validity of the results announced and the values of these results for the teaching of arithmetic; (3) to locate further problems in arithmetic in need of scientific research. *Second semester.* **3 s.h. (E)**
 PROFESSOR BROWNELL

258. Educational Measurements.—A critical study of the principles and techniques involved in measurement in education, with opportunity for individual research. Prerequisite: twelve semester hours in the Department, including a course in educational psychology. **3 s.h. (E)**
 ASSOCIATE PROFESSOR SCATES

FOR GRADUATES

307-308. Seminar in Educational Psychology.—Required of graduate students in educational psychology. **4 s.h. (E)**
 PROFESSOR BROWNELL
 [Not offered in 1943-44]

309-310. Research in Educational Psychology.—This course provides opportunity for more advanced graduate students to engage in individual research projects under close supervision. Credit allowed proportionate to achievement and time devoted to the course. Enrollment by permission of instructor only. **3 to 6 s.h. (E)** PROFESSOR BROWNELL

320. Advanced Educational Statistics.—This course continues the work begun in Education 209, dealing particularly with further methods of correlation and with various applications to the theory of measurement. The course does not require a background of mathematics beyond high-school algebra. **3 s.h.** ASSOCIATE PROFESSOR SCATES

338. Research in Reading.—A course designed for students who have original problems in reading which they desire to investigate. Such studies may be either individual or co-operative. Education 237 is advised as a preliminary course, but is not required. **3 s.h.** PROFESSOR CARR
[Not offered in 1943-44]

339. Research Course in Educational Tests.—A study of problems in the construction and interpretation of tests. Prerequisite: the equivalent of course 258. **3 s.h.** ASSOCIATE PROFESSOR SCATES

348. Research in Arithmetic.—A course designed for students who have original problems in arithmetic which they desire to investigate. Such studies may be either individual or co-operative. Education 247 is advised as a preliminary course, but is not required. **3 s.h.** PROFESSOR BROWNELL
[Not offered in 1943-44]

HISTORY AND PHILOSOPHY OF EDUCATION

FOR SENIORS AND GRADUATES

200. Introduction to the Philosophy of Education.—A consideration of fundamental concepts underlying educational theory. **3 s.h.** PROFESSOR HOLTON

214. History of Education in the United States.—A study of the development of the American public school and the interaction of higher education and the public school. **3 s.h.** PROFESSOR HOLTON
[Not offered in 1943-44]

244. Studies in the Historical Development of Public School Administration.—An advanced course devoted to the development of public school administration in the South, with especial reference to North Carolina as a type. **3 s.h.** PROFESSOR HOLTON
[Not offered in 1943-44]

254. History of Secondary Education in the United States.—A study of historical and comparative conceptions of the secondary school, changes in American life affecting the secondary school, present status of the secondary school, current tendencies toward expansion, and the problem of state and federal aid. **3 s.h.** PROFESSOR PROCTOR
[Not offered in 1943-44]

264. Recent Movements in American Education.—An intensive study of educational thought and practice since 1900. **3 s.h.** PROFESSOR HOLTON
[Not offered in 1943-44]

294. Comparative Education: Recent Movements in European Educational Systems.—A comparative study of the school systems of the principal countries of Europe, with emphasis upon changes since the World War. *First semester.* **3 s.h.** PROFESSOR CARR

PUBLIC SCHOOL ADMINISTRATION

FOR SENIORS AND GRADUATES

203. Principles of School Administration.—The fundamental facts and procedures of school administration, an analysis of the problems and policies of the organization and direction of a local school system, and the functions of the various school officials. Prerequisite: Education 103 and 58, or six semester hours of equivalent work in education. **3 s.h.** PROFESSOR PROCTOR

213. Problems in the Organization and Administration of the Elementary School.—A study of the work of the elementary school principal. **3 s.h.**
[Not offered in 1943-44] PROFESSOR PROCTOR

233. Administrative Pupil-Accounting.—An advanced study of gradation and classification of pupils, with incidental attention to the keeping of records and the making of reports. The study includes a consideration of individual differences, promotions, acceleration, and retardation of pupils; the various plans for classification and gradation; interpreting the results of tests; and some practice in the computation of statistical measures. *Second semester.* **3 s.h.** PROFESSOR PROCTOR

234. Secondary School Organization and Administration.—A study of the outstanding problems of secondary school organization and administration other than the problem of gradation and classification of pupils. *First semester.* **3 s.h.** PROFESSOR PROCTOR

253. Legal Phases of School Administration.—A study of judicial decisions and the development of outstanding features of statute law controlling school administration, with special emphasis upon North Carolina materials. **3 s.h.** PROFESSOR HOLTON
[Not offered in 1943-44]

FOR GRADUATES

323. Public School Finance.—A study of educational costs, sources of revenue for the support of public education, collection of revenue, basis of distribution, and accounting for funds spent. *Second semester.* **3 s.h.** PROFESSOR PROCTOR

343. State and County School Administration.—A study of state and county organization of public schools, emphasizing underlying principles. *Second semester.* **3 s.h.** PROFESSOR PROCTOR
[Not offered in 1943-44]

363. City School Administration.—A study of the organization and administration of city school systems, including administrative phases of supervision. **3 s.h.** PROFESSOR PROCTOR
[Not offered in 1943-44]

SECONDARY EDUCATION AND EDUCATIONAL SOCIOLOGY

FOR SENIORS AND GRADUATES

205. Curriculum Problems in Secondary Education.—A consideration of the aims and objectives of secondary school subjects, emphasizing practical problems of curriculum-making in the high school. **3 s.h.** PROFESSOR CHILDS
[Not offered in 1943-44]

206. Sociological Foundations of the Secondary School Subjects.—A consideration of the aims and objectives of the secondary school. Prerequisite: six semester hours in education, including course 105. *First semester.* **3 s.h.** PROFESSOR CHILDS
(E)

215. Educational and Vocational Guidance.—A survey of the literature on guidance with special reference to secondary education; a critical study of the principles and techniques used in guidance; an attempt to locate the problems most urgently in need of solution. Prerequisite: twelve semester hours in the Department, including course 105 or course 206. *Second semester. 3 s.h. (E)*
 PROFESSOR CHILDS

225. The Teaching of History and the Social Studies.—Identical with History 211. The course counts as an elective in the Department of Education only when approved by the Department and the instructor. **3 s.h.**
 ASSOCIATE PROFESSOR MANCHESTER

246. The Teaching of Mathematics.—Identical with Mathematics 204. The course counts as an elective in the Department of Education only when approved by the Department and the instructor. **3 s.h. (E)** PROFESSOR RANKIN
 [Not offered unless justified by enrollment]

266. The Teaching of High-School French.—Identical with French 218. *First semester. 3 s.h.* PROFESSOR WEBB

METHODOLOGY OF RESEARCH

FOR GRADUATES

300. Methods of Educational Research: Seminar.—Graduate students are instructed in methods of research as applied to selected educational problems. Each student must select for intensive study and practice a subject in which he is interested. **3 s.h.** MEMBERS OF THE DEPARTMENT

RELATED COURSES IN OTHER DEPARTMENTS

FOR MAJORS IN EDUCATIONAL PSYCHOLOGY, ELEMENTARY EDUCATION, AND SECONDARY EDUCATION

Psychology 206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS

Psychology 209. Experimental Methods in Human Psychology.—4 s.h.
 ASSOCIATE PROFESSOR ZENER

Psychology 212. Physiological Psychology.—3 s.h.
 [Not offered in 1943-44] ASSISTANT PROFESSOR KEMP

Psychology 215. Developmental Psychology.—3 s.h.
 ASSOCIATE PROFESSOR ADAMS

Psychology 226. Contemporary Schools of Psychology.—3 s.h.
 [Not offered in 1943-44] ASSOCIATE PROFESSOR ZENER

Psychology 306. Seminar in Child Psychology.—2 or 3 s.h.
 ASSOCIATE PROFESSOR ADAMS

Psychology 309. Theory of Learning.—3 s.h. ASSOCIATE PROFESSOR ADAMS

Sociology 212. Child Welfare.—3 s.h. PROFESSOR JENSEN
 [Offered in summer session, 1943]

Sociology 213. Constructive Social Policies.—2 s.h. PROFESSOR JENSEN
 [Not offered in 1943-44]

Sociology 319. Principles of Sociology.—3 s.h. PROFESSOR JENSEN
 [Not offered in 1943-44]

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR JENSEN

FOR MAJORS IN PUBLIC SCHOOL ADMINISTRATION

- Economics 230. Public Debts in the United States.—3 s.h.**
ASSOCIATE PROFESSOR RATCHFORD
- Political Science 209. State and Local Government in the United States.—3 s.h.**
PROFESSOR RANKIN
- Political Science 291. Municipal Government.—3 s.h.** PROFESSOR RANKIN
- Sociology 213. Constructive Social Policies.—2 s.h.** PROFESSOR JENSEN
[Not offered in 1943-44]

FOR MAJORS IN HISTORY AND PHILOSOPHY OF EDUCATION

- History 209-210. Constitutional History of the United States, 1763-1860.—6 s.h.**
ASSISTANT PROFESSOR STILL
[Not offered in 1943-44]
- Philosophy 205. The Philosophy of History.—3 s.h.** PROFESSOR WIDGERY
[Not offered in 1943-44]
- Philosophy 208. Political Philosophy.—3 s.h.**
ASSOCIATE PROFESSOR MORGAN
[Not offered in 1943-44]
- Philosophy 223. Contemporary Philosophy.—Second semester. 3 s.h.**
PROFESSOR WIDGERY
- Religion 291. Christian Ethics I.—3 s.h.** PROFESSOR SMITH
- Religion 292. Christian Ethics II.—3 s.h.** PROFESSOR SMITH
- Religion 393. Religious Thought in Colonial America.—3 s.h.**
PROFESSOR SMITH
- Religion 394. Religious Thought in Modern America.—3 s.h.**
PROFESSOR SMITH
- Sociology 319. Principles of Sociology.—3 s.h.** PROFESSOR JENSEN
[Not offered in 1943-44]
- Sociology 320. History of Social Philosophy.—3 s.h.** PROFESSOR JENSEN

ENGLISH

PROFESSOR BROWN, CHAIRMAN—204 GRAY BUILDING; PROFESSOR HUBBELL, DIRECTOR OF GRADUATE STUDIES—105 EAST DUKE BUILDING; PROFESSORS BAUM, GILBERT, GOHDES, IRVING, AND WHITE; ASSOCIATE PROFESSOR WARD;
ASSISTANT PROFESSOR TALBERT

All graduate students in English must pass a general examination before they will be admitted to candidacy for a degree. This examination is given at the beginning of the autumn semester and must be taken at that time by all new students. Those who do not pass will not be accepted as candidates for a degree during the year in which they fail, but they may take the examination offered to graduate students entering at the opening of the first term of the following Summer Session.

FOR SENIORS AND GRADUATES

- 201-202. Anglo-Saxon.—**The first half of the year is given to the reading of prose and to a study of the language; the second half, to the reading of *Beowulf*. **6 s.h.**
[Not offered in 1943-44]

203-204. **Chaucer.**—The work consists of the reading and study of the principal *Canterbury Tales*, the *Troilus*, the minor poems, and some of the translations. Students prepare a reading report and a term paper. 6 s.h.

PROFESSOR BAUM

207-208. **English Literature, 1400-1550.**—6 s.h.
[Not offered in 1943-44]

PROFESSOR BAUM

209-210. **English Literature Other than Drama, 1625-1700.**—6 s.h.

ASSOCIATE PROFESSOR WARD

211-212. **English Literature Other than Drama, 1550-1625.**—6 s.h.

PROFESSOR GILBERT

213-214. **Folklore and Folk Songs.**—The course consists of an extensive study during the first semester of the field of folklore and during the second semester, of the ballad and of other folk songs. 6 s.h.

[Not offered in 1943-44]

215-216. **Elizabethan Drama.**—6 s.h.

[Not offered in 1943-44]

217. **Spenser.**—In this course students make a detailed study of Spenser's work, giving special attention to the major poems. There are frequent written reports and one term paper. 3 s.h.

PROFESSOR GILBERT

218. **Milton.**—A detailed study of Milton's prose and poetry with emphasis on the major poems constitutes the work of the course. There are frequent written reports and a term paper. 3 s.h.

PROFESSOR GILBERT

219-220. **English Literature of the Eighteenth Century.**—The prose and poetry of the Age of Pope are reviewed in the first semester, of the Age of Johnson in the second. Term papers are required. 6 s.h.

PROFESSOR IRVING

222-228. **Literary Criticism.**—The work of the course consists of a study of the history of literary criticism from Aristotle to the present. There are oral and written reports and a term paper. 6 s.h.

PROFESSOR GILBERT

229-230. **American Literature, 1800-1870.**—A survey of the principal writers of the period. There are term papers and two oral reports each semester. 6 s.h.

PROFESSOR HUBBELL

231. **Special Studies in Emerson.**—3 s.h.
[Not offered in 1943-44]

PROFESSOR GOHDES

233-234. **American Literature since 1870.**—6 s.h.

PROFESSOR GOHDES

239-240. **Shakespeare Problems.**—6 s.h.
[Not offered in 1943-44]

269-270. **Southern Literature and Culture.**—6 s.h.
[Not offered in 1943-44]

PROFESSOR HUBBELL

FOR GRADUATES

303-304. **Studies in Elizabethan Literature.**—6 s.h.
[Not offered in 1943-44]

PROFESSOR GILBERT

307-308. **Southern Literature and Culture in the United States.**—6 s.h.
[Not offered in 1943-44]

PROFESSOR HUBBELL

313-314. **Studies in the Romantic Writers of the Early Nineteenth Century.**—6 s.h.

PROFESSOR WHITE

315-316. Middle English.—3 s.h. (1½ s.h. each term). PROFESSOR BAUM
[Not offered in 1943-44]

317-318. Studies in Victorian Literature.—6 s.h. PROFESSOR BAUM

349-350. Research Courses.—6 s.h.

All candidates for degrees are required to have credit for one of these courses or the equivalent; students who wish to elect one of these as a seminar course should consult the Director of Graduate Studies as early as possible. In 1943-44 at least two of these seminars will be offered.

(a) Folklore and the Ballad.

(b) Shakespeare Problems.

(c) English Language and Literature, 1200-1550. PROFESSOR BAUM

(d) Victorian Literature. PROFESSOR BAUM

(e) Elizabethan and Seventeenth-Century Literature. PROFESSOR GILBERT

(f) Literary Criticism. PROFESSOR GILBERT

(g) The Eighteenth Century. PROFESSOR IRVING

(h) The Romantic Movement. PROFESSOR WHITE

(i) American Literature. PROFESSORS GOHDES AND HUBBELL

RELATED COURSES IN OTHER DEPARTMENTS

The attention of students of English is directed to the following courses:

German 301-302. Gothic—Middle High German.—6 s.h.
PROFESSOR VOLLMER

Greek 201-202. Greek Tragedy.—6 s.h. PROFESSOR PEPPLER

History 221-222. The Age of the Renaissance.—6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR NELSON

History 223-224. Medieval Institutions and Culture.—6 s.h.
ASSISTANT PROFESSOR QUINN

Philosophy 201-202. The Philosophy of Art.—6 s.h. (E)
[Not offered in 1943-44] PROFESSOR GILBERT

Philosophy 213-214. History of Aesthetics.—6 s.h. (E) PROFESSOR GILBERT

Psychology 202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM

FORESTRY

PROFESSOR KORSTIAN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—FEW
QUADRANGLE, HOUSE GG-010; PROFESSORS BEAL, SCHUMACHER, WACKERMAN,
AND WOLF; ASSOCIATE PROFESSORS COILE, HARRAR, KRAMER, MAUGHAN,
AND THOMSON

Major and minor work is offered in the more scientific aspects of forestry leading to the Master of Arts and Doctor of Philosophy degrees to students who have received degrees from professional schools of forestry of recognized standing or from approved colleges or universities. Work for these degrees may be pursued only in forest-tree physiology, wood anatomy and properties,

forest pathology, silvics, forest soils, forest mensuration, forest management, forest entomology, and forest economics, except that a major cannot be taken in forest management. College graduates who have had specialized training in botany or soil science and in allied basic subjects, such as physics, chemistry, geology, and zoology, may pursue graduate study and research only in the specialized fields for which their previous work has qualified them. Students who do not have previous training in forestry will be required to complete a minimum of thirty semester hours of approved work in the Division of Forestry as a preliminary requirement for admission to candidacy for the A.M. and Ph.D. degrees. These men will not be regarded as professionally trained foresters. For information on professional training in forestry, see *Bulletin of the School of Forestry*.

FOR SENIORS AND GRADUATES

224. Forest Pathology.—Special reference to diseases of forest trees. Prerequisites: Botany 1 and 2, and Forestry 253, or equivalents. **4 s.h.**

PROFESSOR WOLF

231. Forest Entomology.—Morphology, general classification, life histories, and control of insects injurious to forest trees, logs, and lumber. **3 s.h.**

PROFESSOR BEAL

251. Sampling Methods in Forestry.—Statistical background for solution of sampling problems with special reference to sample inventory of a forest property. Prerequisite: Forestry S151. **2 s.h.**

PROFESSOR SCHUMACHER

252. Forest Mensuration.—Empirical equations and curve fitting appropriate for construction of timber yield tables, tree volume and taper tables; significance tests and graphical solution of equations. Assignments require operation of calculating machines. Prerequisite: Forestry 251. **2 s.h.**

PROFESSOR SCHUMACHER

253. Dendrology.—Nomenclature, classification, and identification of woody plants with special reference to species indigenous to southeastern United States and other important forest regions of temperate North America. Laboratory and field work. Prerequisite: one year of botany. **3 s.h.**

PROFESSOR BEAL

257. Design of Forestry Experiments and Analysis of Data.—Role of experimental design in field and laboratory, and statistical analysis of data as aspects of scientific method in forest research. **5 s.h.**

PROFESSOR SCHUMACHER

259. Wood Anatomy and Properties.—Anatomical, chemical, and non-mechanical physical properties of wood; macroscopic and microscopic identification of more important woods of the United States. Prerequisites: one year of botany and Chemistry 1 and 2, or equivalents. **3 s.h.**

[Not offered in 1943-44]

ASSOCIATE PROFESSOR HARRAR

261. Forest Soils.—Origin, development, and classification of soils with special emphasis on those developed in climates supporting forests; morphological, physical, and chemical properties of soils in relation to growth of trees; field identification, field sampling, laboratory analysis, and interpretation of field and laboratory observations; interrelationships of soil and forest cover. Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. **3 s.h.**

[Not offered in 1943-44]

ASSOCIATE PROFESSOR COILE

264. Silvics.—Ecological foundations of silviculture with special reference to forest site factors; influence of forests on their environment; growth and development of trees and stands; origin, development, and classification of forest communities; methods of studying forest environments. Desirable prerequisites: plant physiology, plant ecology, and Forestry 253 and 261, or equivalents. **3 s.h.** PROFESSOR KORSTIAN

276. Forest Policy.—Critical study of forestry movement and development of a forest policy, particularly in the United States; brief résumé of forestry in important foreign countries; public land laws of the United States; development of federal and state forestry; forestry laws. **2 s.h.**

[Not offered in 1943-44]

ASSOCIATE PROFESSOR THOMSON

279. Economics of Forestry.—Principles of forest economics. Economic and social values of forests; forest resources and wood requirements; economics of wood production and consumption; prices of forest products; forestry and public finance; forestry and land use; forestry credit; forest fire insurance; forestry as a private business enterprise. Prerequisite: at least one course in the principles of economics. **3 s.h.** PROFESSOR WACKERMAN

FOR GRADUATES

323-324. Advanced Forest Pathology.—Advanced study and research on life histories and control of diseases of forest trees to meet individual needs of graduate students. Prerequisites: plant physiology and forest pathology. Credits to be arranged. PROFESSOR WOLF

351-352. Advanced Physiology of Forest Trees.—Advanced study and research on problems in physiology of forest trees to meet individual needs of graduate students. Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged. ASSOCIATE PROFESSOR KRAMER

354. Forest Soil Fertility.—Experimental approach to the problems of fertility in forest soil. Influence of stand composition on nitrogen transformation. Methods of studying the exchange complex and the significance of base exchange in forest soil fertility. Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. **3 s.h.** ASSOCIATE PROFESSOR COILE

[Not offered in 1943-44]

356. Economic Forces in Forestry.—Analysis of classical and contemporary theories of forest valuation. Principles underlying the measurement of forces determining forestry values. Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. **2 s.h.**

[Not offered in 1943-44]

ASSOCIATE PROFESSOR THOMSON

357-358. Research in Forestry.—Credits to be arranged. Students who have had adequate training may do research under direction of members of the Faculty in the following branches of forestry:

a. **Silvics.**—Prerequisites: Forestry 253, 261, and 264, or equivalents.

PROFESSOR KORSTIAN

b. **Forest Soils.**—Prerequisite: Forestry 261 or equivalent.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR COILE

d. **Forest Management.**—Prerequisite: Forestry 281 or equivalent.

ASSOCIATE PROFESSOR MAUGHAN

e. **Forest Economics.**—Prerequisite: Forestry 279 or equivalent.

PROFESSOR WACKERMAN

f. **Wood Anatomy and Properties.**—Prerequisites: Forestry 259 and 260, or equivalents. ASSOCIATE PROFESSOR HARRAR
[Not offered in 1943-44]

g. **Forest Mensuration.**—Prerequisites: Forestry S151, 251, and 252, or equivalents. PROFESSOR SCHUMACHER

h. **Forest Entomology.**—Prerequisite: Forestry 231 or equivalent. PROFESSOR BEAL

GERMANIC LANGUAGES AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—205 PAGE AUDITORIUM; PROFESSOR KRUMMEL

FOR SENIORS AND GRADUATES

201-202. **Goethe.**—A careful study of Goethe's life and works, with special emphasis upon the broader aspects of his ever-widening interests and literary activities. 6 s.h. PROFESSOR KRUMMEL

207-208. **German Romanticism.**—The course covers the entire field of German Romanticism from 1800 to 1850. 6 s.h. PROFESSOR VOLLMER
[Not offered in 1943-44]

209-210. **Kleist, Grillparzer, and Hebbel.**—A study of the leading representatives of German drama in the first half of the nineteenth century. 6 s.h. PROFESSOR KRUMMEL
[Not offered in 1943-44]

211-212. **Heinrich Heine.**—A study of the German poet and his immediate successors in the movement known as *Jungdeutschland*. 6 s.h. PROFESSOR VOLLMER

213-214. **Literature of the Empire, 1871-1914.**—A study of the literature of this period as determined particularly by the philosophical, social, political, and religious factors. 6 s.h. PROFESSOR VOLLMER
[Not offered in 1943-44]

FOR GRADUATES

301-302. **Gothic—Middle High German.**—In the first term the essentials of Gothic morphology, phonology, and grammar are investigated, and original Gothic literature is read. In the second term the leading medieval German epics are read in the original. 6 s.h. PROFESSOR VOLLMER

303-304. **German Seminar.**—A seminar will be conducted in an eighteenth- or nineteenth-century field for properly qualified students. Credit to be arranged. PROFESSORS VOLLMER AND KRUMMEL

RELATED COURSES IN OTHER DEPARTMENTS

The following courses in other departments are recommended to students, who are majoring in Germanics, as particularly valuable in building a proper background for Germanic studies:

Certain graduate courses in literature or philology offered by the ancient and modern language departments, to be selected after consultation with the German Department.

History 217-218. **Europe since 1870.**—6 s.h. PROFESSOR CARROLL
[Not offered in 1943-44]

History 221-222. **The Age of the Renaissance.**—6 s.h. ASSOCIATE PROFESSOR NELSON
[Not offered in 1943-44]

History 223-224. Medieval Institutions and Culture.—6 s.h.

ASSISTANT PROFESSOR QUINN

History 225-226. The Age of the Reformation.—6 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR NELSON

Philosophy 201-202. The Philosophy of Art.—6 s.h. (E)

[Not offered in 1943-44]

PROFESSOR GILBERT

Philosophy 213-214. History of Aesthetics.—6 s.h. (E)

PROFESSOR GILBERT

Philosophy 223. Contemporary Philosophy.—*Second semester.* 3 s.h.

PROFESSOR WIDGERY

Philosophy 244. Nietzsche and the Nineteenth Century.—3 s.h.

ASSOCIATE PROFESSOR MORGAN

Sociology 320. History of Social Philosophy.—3 s.h.

PROFESSOR JENSEN

HISTORY

PROFESSOR LAPRADE, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—2B WEST
DUKE BUILDING; PROFESSORS CARROLL, CLYDE, LANNING, AND SYDNOR;
ASSOCIATE PROFESSORS MANCHESTER AND NELSON; ASSISTANT
PROFESSORS QUINN, STILL, AND WOODY

AMERICAN HISTORY

FOR SENIORS AND GRADUATES

209-210. Constitutional History of the United States, 1763-1860.—A study of the Colonial foundations of American constitutional attitudes, the constitutional aspects of the American Revolution, the framing and ratification of the Constitution, the statehood process and the extension of democracy, the constitutional implications of sectional conflict, and the Supreme Court in its relation to the problems of an industrial America. Prerequisites: courses 91 and 92. **6 s.h.**

ASSISTANT PROFESSOR STILL

[Not offered in 1943-44]

215-216. Foreign Policy and Diplomacy of the United States.—The work in the first semester, covering the period 1775-1877, deals with such topics as the origins and evolution of basic foreign policies; isolation from Europe; paramount interests in Latin America, including the Monroe Doctrine; international co-operation in the Far East. The work in the second semester, covering the period since 1877, deals with such topics as the rise of the new Manifest Destiny; beginnings of American imperialism in Latin America and the Far East; the failure of traditional neutrality in the first World War; postwar conflicts between isolation and collective security; involvement in the second World War. **6 s.h.**

PROFESSOR CLYDE

[Not offered in 1943-44]

230. The Portuguese Empire and the Rise of Brazil.—The course will deal with Portuguese explorations, the establishment of the Portuguese Empire in the East, the transplanting of Portuguese culture overseas, and the rise of a native Brazilian civilization. **3 s.h.**

ASSOCIATE PROFESSOR MANCHESTER

231. The Hispanic Colonies of the New World.—The development of the Iberian states as colonizing powers, the work of the conquerors, the Spanish colonial policy and system, their influences and results, native races, the international contest for supremacy, and the decay of Spanish power in America and the Philippines. **3 s.h.**

PROFESSOR LANNING

[Not offered in 1943-44]

232. The Hispanic American Republics of the New World.—3 s.h.

[Not offered in 1943-44]

PROFESSOR LANNING

233. **The Cultural and Institutional History of Colonial Hispanic America.**—3 s.h. PROFESSOR LANNING

234. **Political and Social Problems in the Hispanic American Republics.**—3 s.h. PROFESSOR LANNING

263-264. **American Colonial History and the Revolution, 1606-1783.**—The growth of institutions and economic life in the English colonies; the American Revolution. 6 s.h. ASSISTANT PROFESSOR WOODY

265-266. **The Westward Movement in the United States.**—A study of the progress of settlement from the Atlantic to the Pacific Coast with especial attention to the transmission of culture, developments in transportation, the transition from agrarian to urban communities, the process of state making, and the social, economic, and political effects of the westward march upon the United States as a whole. 6 s.h. ASSISTANT PROFESSOR STILL
[Not offered in 1943-44]

FOR GRADUATES

304. **The Union, Confederacy, and Reconstruction.**—The growth of Southern nationalism, secession, the problems of the Union and Confederacy, and political and economic adjustments during Reconstruction. Year course. 4 s.h. ASSISTANT PROFESSOR WOODY

315. **Seminar in Southern History.**—Year course. 2 s.h. PROFESSOR SYDNOR

321. **Seminar in the History of Spain and the Spanish-American Colonies.**—Year course. 2 s.h. PROFESSOR LANNING

336. **The South in Federal Politics, 1789-1860.**—The interests and political actions of the South on such questions as public lands, internal improvements, foreign policy, the tariff, and slavery; the political techniques and theories of the South. Year course. 4 s.h. PROFESSOR SYDNOR

337. **Social and Economic Life of the Old South.**—Conditions and trends in the South in respect to population movements, transportation, agriculture, slavery, urban life, commerce, manufacturing, religion, education, and other intellectual activities. Year course. 4 s.h. PROFESSOR SYDNOR
[Not offered in 1943-44]

EUROPE AND THE FAR EAST

FOR SENIORS AND GRADUATES

217-218. **Europe since 1870.**—International relations since the Franco-German War is the chief subject of study in this course; special emphasis is placed upon the underlying economic and political influences. 6 s.h. PROFESSOR CARROLL
[Not offered in 1943-44]

219-220. **The History of the European Proletariat.**—This course is concerned chiefly with the origins, expansion, and organization of the industrial working classes of Europe. The following problems are emphasized: the decline of serfdom, the growth of an urban working class and social revolutions in England, France, and Germany prior to the eighteenth century, the results of the Industrial Revolution, and labor movements and theories during the nineteenth and twentieth centuries. 6 s.h. PROFESSOR CARROLL
[Not offered in 1943-44]

221-222. **The Age of the Renaissance.**—The decline of characteristic features of medieval civilization and the rise of modern European institutions with particular attention to intellectual movements from Dante to Erasmus. 6 s.h. ASSOCIATE PROFESSOR NELSON
[Not offered in 1943-44]

223-224. Medieval Institutions and Culture.—A consideration of the classical heritage, the Germanic infusion, development of ecclesiastical, feudal, monarchical, and communal institutions, relations of Church and State, the rise of universities, vernacular literature, philosophy, and art, in the period 300-1300 A.D. 6 s.h. ASSISTANT PROFESSOR QUINN

225-226. The Age of the Reformation.—A survey of European civilization from 1500 through the Peace of Westphalia. 6 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR NELSON

241-242. The Foreign Relations and Diplomacy of the United States in the Pacific and the Far East.—A study of the origins and growth of American relations with China, Japan, the Philippines, and other Pacific areas in their commercial, political, and cultural aspects. 6 s.h. PROFESSOR CLYDE

FOR GRADUATES

305. Seminar in the History of England and the British Empire.—The work consists of practical training in the methods of historical research based on sources for modern British history. Year course 2 s.h.

PROFESSOR LAPRADE

317. Seminar in Recent European History.—Year course. 2 s.h.

[Not offered in 1943-44]

PROFESSOR CARROLL

325. British Nationality and Public Opinion.—A study of the various political and social groups that have contended for power in England since the sixteenth century and the methods they used. Year course. 4 s.h.

[Not offered in 1943-44]

PROFESSOR LAPRADE

327. Modern Phases of the English Constitution.—A brief review of the medieval constitution, followed by a more intensive study of certain aspects of its development in the sixteenth, seventeenth, and eighteenth centuries. Year course. 4 s.h.

PROFESSOR LAPRADE

343. Seminar in the History of American Foreign Relations and the Far East.—Year course. 2 s.h.

PROFESSOR CLYDE

HISTORIOGRAPHY AND THE TEACHING OF HISTORY

FOR SENIORS AND GRADUATES

211. The Teaching of History and the Social Studies.—The work consists of a discussion of the question of aims and values in teaching history and civics, textbooks, programs of study, methods of instruction, the use of maps and pictures, the making of lesson plans for use in the high school, and other problems of high-school teaching. 3 s.h. ASSOCIATE PROFESSOR MANCHESTER

FOR GRADUATES

320. Historiography.—A critical study of the process of finding, appraising, and interpreting the sources of history and of the presentation of the results in narrative. Works of important historians from Herodotus to the present are analyzed. The student undertakes specific exercises in research, criticism, and narration. There is consideration of such general topics as schools, theories, philosophies, and the function of history. Year course. 4 s.h.

ASSOCIATE PROFESSOR NELSON

This course is required of all candidates for the degree of Doctor of Philosophy who are in residence as many as two years at Duke University unless excused therefrom by the Department.

329. **Historiography of the South.**—Attention is given to the more important printed and manuscript sources and to the writings of the older historians. Bibliographical and research problems are introduced. Year course. 4 s.h.

ASSISTANT PROFESSOR WOODY

[Not offered in 1943-44]

RELATED COURSES IN OTHER DEPARTMENTS

Economics 231. **Economic History of Modern Europe.**—3 s.h.

PROFESSOR HAMILTON

Economics 232. **Economic History of the United States.**—3 s.h.

PROFESSOR HAMILTON

Economics 311-312. **History of Political Economy.**—6 s.h.

PROFESSOR HAMILTON

Economics 315. **Economic Systems.**—3 s.h.

PROFESSOR HOOVER

Economics 316. **Economic Functions of the State.**—3 s.h.

PROFESSOR HOOVER

Political Science 223. **Political Thought to the Seventeenth Century.**—3 s.h.

PROFESSOR WILSON

Political Science 224. **Modern Political Theory.**—3 s.h.

PROFESSOR WILSON

Religion 309. **History of the Ancient Near East.**—3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR STINESPRING

Religion 393. **Religious Thought in Colonial America.**—3 s.h.

PROFESSOR SMITH

Religion 394. **Religious Thought in Modern America.**—3 s.h.

PROFESSOR SMITH

Sociology 237. **Indians of North America.**—3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR GILLIN

Sociology 238. **Anthropological Backgrounds of Latin America.**—3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR GILLIN

Sociology 239. **Acculturation and Cultural Synthesis.**—3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR GILLIN

Sociology 240. **The Peoples of Africa.**—3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR GILLIN

Sociology 320. **History of Social Philosophy.**—3 s.h.

PROFESSOR JENSEN

MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—03 GRAY BUILDING; PROFESSORS ELLIOTT, RANKIN, AND THOMAS; ASSOCIATE PROFESSORS CARLITZ AND ROBERTS; ASSISTANT PROFESSOR DRESSEL; DR. BOAS

The Department offers basic courses in each of the main divisions of mathematics: algebra, analysis, geometry, and applied mathematics.

The Master's degree with major in mathematics is awarded primarily on the basis of scholarship. The candidate's preliminary mathematical work must be approved by the Department through the Director of Graduate Studies. It must include differential and integral calculus and an additional six semester hours of work in mathematical courses of at least Junior level. Eighteen of the twenty-four semester hours of course work required by the general regulations for the degree must be taken in the Department.

The Doctor's degree with major in mathematics is awarded as a recognition of potential ability and training in research. The original dissertation is the most important of the formal requirements for it. A candidate should have this requirement in mind from the outset and plan his courses accordingly.

Because of the important mathematical literature in French and German, a student taking graduate work in mathematics should have a practical reading knowledge of these languages near the beginning of his graduate study.

FOR SENIORS AND GRADUATES

201. History of Mathematics.—Evolution of the number system, arithmetic, geometry, algebra, trigonometry, analytic geometry, calculus, and modern geometry. Brief sketches of mathematicians. *Offered in alternate years.* Prerequisite: differential calculus. **3 s.h.** PROFESSOR RANKIN

204. Teaching of Mathematics.—Fundamental processes, methods of study, mathematical literature, content of courses, applications, use of instruments, correlation of different branches, historical development of secondary school mathematics. *Offered in alternate years.* Must be preceded or accompanied by integral calculus. **3 s.h.** PROFESSOR RANKIN

225. Theory of Equations.—Permutations, determinants, matrices, linear systems, polynomials and their roots, constructibility, resultants, discriminants, simultaneous equations. *Second semester.* Prerequisite: integral calculus. **3 s.h.** PROFESSOR THOMAS

227-228. Theory of Numbers.—Congruences, arithmetic functions, compound moduli, quadratic reciprocity, Gauss sums, quadratic forms, sums of squares. Prerequisite: integral calculus. **6 s.h.** ASSOCIATE PROFESSOR CARLITZ

229-230. Algebraic Numbers.—Ideals, unique factorization, divisors of the discriminant, determination of the class number. Prerequisite: Mathematics 225. **6 s.h.** ASSOCIATE PROFESSOR CARLITZ

[Not offered in 1943-44]

235-236. Modern Algebra.—Groups, fields, rings, matrices, quadratic and bilinear forms, general Galois theory, hypercomplex systems. Prerequisite: integral calculus. **6 s.h.** ASSOCIATE PROFESSOR CARLITZ

[Not offered in 1943-44]

255-256. Projective Geometry.—Postulational, synthetic treatment centering around Desargues' theorem and the principle of projectivity. Conics, coördinates, order, continuity, metric properties. Prerequisite: integral calculus. **6 s.h.** PROFESSOR THOMAS

271-272. Introductory Topology.—Topological properties of Euclidean spaces; set-theoretic and combinatorial methods. Prerequisite: integral calculus. **6 s.h.** ASSOCIATE PROFESSOR ROBERTS

[Not offered in 1943-44]

275. Probability.—Combinatory analysis, mean values, Bernoulli's theorem, probability integral, applications to statistics. Prerequisite: integral calculus. **3 s.h.** DR. BOAS

[Not offered in 1943-44]

281. Elementary Potential Theory.—Newtonian potentials, vector fields, Dirichlet and Neumann problems. *Offered in alternate years.* Prerequisite: integral calculus. 3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

282. Differential Equations of Mathematical Physics.—Hamilton-Jacobi equation, heat equation, wave equation, telegraphic equation, Schrödinger's equation. *Offered in alternate years.* Prerequisite: integral calculus. 3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

283. Fourier Series and Spherical Harmonics.—Fourier series and integrals, Legendre polynomials, spherical harmonics, Bessel functions, applications to mathematical physics. *Second semester. Offered in alternate years.* Prerequisite: integral calculus. 3 s.h. ASSISTANT PROFESSOR DRESSEL

284. Vector Analysis.—Vectors in three-dimensional Euclidean space with applications to physics; introduction to tensor analysis. *First semester. Offered in alternate years.* Prerequisite: integral calculus. 3 s.h. PROFESSOR THOMAS

287. Mathematical Logic.—Boole-Schroeder algebra of logic, system of Principia Mathematica, strict and material implication. 3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

288. Foundations of Mathematics.—Postulates for groups, fields, rings, Boolean algebras. 3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

291-292. Theory of Functions.—Fundamental concepts in the theory of functions of real and complex variables. Limits, implicit functions, power series, double series, Stieltjes integrals, Cauchy's theorem and its applications, residues, Riemann surfaces, conformal mapping. Prerequisite: second course in calculus. 6 s.h. PROFESSOR GERGEN
[Not offered in 1943-44]

FOR GRADUATES

301-302. Algebraic Geometry.—Homogeneous coördinates, singular points and lines, Newton's parallelogram, Plücker's equations, intersections of curves. Prerequisite: Mathematics 255-256. 6 s.h. PROFESSOR THOMAS
[Not offered in 1943-44]

325-326. Real Variable.—The number system, theory of sets, transfinite numbers, Baire classes, Lebesgue, Stieltjes and Denjoy integrals, linear operations. Prerequisite: Mathematics 291-292. 6 s.h. PROFESSOR GERGEN

331-332. Complex Variable.—Analytic continuation, conformal mapping, univalent functions, meromorphic functions, analytic functions of several complex variables. Prerequisite: Mathematics 291-292. 6 s.h. DR. BOAS
[Not offered in 1943-44]

333-334. Analytic Theory of Numbers.—Distribution of primes, primes in an arithmetic progression, Waring and Goldbach problems. Prerequisite: Mathematics 291-292. 6 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

337-338. Existence Theorems.—Systems of partial differential equations, Pfaffian systems, theorems of Cauchy, Riquier, and Cartan, singular integral varieties. Prerequisite: Mathematics 291-292. 6 s.h. PROFESSOR THOMAS
[Not offered in 1943-44]

341-342. Integral Equations.—Volterra and Fredholm integral equations, application to boundary problems of differential equations. Prerequisites: elementary differential equations and second course in calculus. 6 s.h.

[Not offered in 1943-44]

PROFESSOR ELLIOTT

343-344. Ordinary Differential Equations.—Solution by separation of variables, exact differentials, integrating factors, solution in series. Cauchy's existence theorem, linear differential systems, singular points, partial differential equations equivalent to ordinary systems. Prerequisite: Mathematics 291-292. 6 s.h.

[Not offered in 1943-44]

PROFESSOR THOMAS

353-354. Trigonometric Series.—Topics in the theory of trigonometric, particularly Fourier, series, related results in Lebesgue integration and complex variable. Prerequisite: Mathematics 325-326. 6 s.h.

[Not offered in 1943-44]

PROFESSOR GERGEN

371-372. Dimension Theory.—Abstract spaces, separation theory for Euclidean spaces, dimension theory. Prerequisite: Mathematics 271-272. 6 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR ROBERTS

373-374. Continuous Transformations.—Recent results concerning a number of special types of continuous transformations. Prerequisite: Mathematics 271-272. 6 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR ROBERTS

382. Potential Theory.—Properties of harmonic functions, boundary value problems, potentials of general mass distributions. Prerequisites: Mathematics 281 and 325-326. 3 s.h.

[Not offered in 1943-44]

PROFESSOR GERGEN

PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 DIVINITY SCHOOL; PROFESSORS GILBERT AND SMITH; ASSOCIATE PROFESSORS LEONARD AND MORGAN; ASSISTANT PROFESSOR MCLARTY

Courses normally given in alternate years marked † are not offered in 1943-44. Those marked * are offered in 1943-44.

FOR SENIORS AND GRADUATES

201-202. †The Philosophy of Art.—Study of the various phases of the esthetic experience and forms of beauty with analysis of examples. Particular attention will be given to recent writers on esthetics. 6 s.h. (E)

PROFESSOR GILBERT

203. The Philosophy of Conduct.—A critical study of the fundamental problems of ethics. 3 s.h.

ASSOCIATE PROFESSOR MORGAN

205. †The Philosophy of History.—An inquiry into the logic and methodology of the knowledge of history, and into the metaphysical implications of history. 3 s.h.

PROFESSOR WIDGERY

208. †Political Philosophy.—A critical investigation of the bases of political authority and of the ideals of political organization, with reference to prevalent political systems. 3 s.h.

ASSOCIATE PROFESSOR MORGAN

209-210. *The Philosophy of Religion.—A critical consideration of the data of empirical religion and the constructive development of modern philosophy of religion. 6 s.h.

PROFESSOR WIDGERY

211. **Philosophy of Civilization.**—The meaning and standards of civilization; its growth, decay, and survival. 3 s.h. ASSOCIATE PROFESSOR MORGAN

213-214. ***History of Aesthetics.**—The tracing of the historical solutions of traditional problems, such as the nature of imitation, symbolism, the ugly, the sublime, and the comic, the relation of art to nature, to morals, and to economics, the relation of the particular arts to each other, the standard of taste. 6 s.h. (E) PROFESSOR GILBERT

215. **Christian Ethics I.**—A historical and systematic study of Christian conceptions of the moral life. Religion 291. 3 s.h. PROFESSOR SMITH

216. **Christian Ethics II.**—A critical consideration of selected modern problems from the viewpoint of the Christian ethic. Religion 292. 3 s.h. PROFESSOR SMITH

217. **†The Philosophy of Aristotle.**—Prerequisite: 105. 3 s.h. ASSISTANT PROFESSOR McLARTY

223. ***Contemporary Philosophy.**—A study of the leading philosophical movements in Europe and America in the last fifty years. *Second semester.* 3 s.h. PROFESSOR WIDGERY

226. ***The History of Ethics.**—Theories of morality from Socrates to the present time. 3 s.h. ASSOCIATE PROFESSOR MORGAN

231-232. **Philosophy of Science.**—A historical and critical survey of the relations of natural science to general philosophy. 6 s.h. ASSOCIATE PROFESSOR LEONARD

236. ***Oriental Philosophy I. Chinese Philosophy.**—3 s.h. ACTING PROFESSOR DUBS

238. **†Oriental Philosophy II. Indian Philosophy.**—3 s.h. PROFESSOR WIDGERY

241. ***Logic.**—The characteristic structure of a logical system. Forms of propositions and arguments. Logical relations of propositions. Levels of analysis. 3 s.h. ASSOCIATE PROFESSOR LEONARD

242. ***Scientific Methodology.**—A survey of the methods used in the different branches of the natural and social sciences in seeking and testing knowledge. 3 s.h. ASSOCIATE PROFESSOR LEONARD

244. ***Nietzsche and the Nineteenth Century.**—Studies in the major trends of intellectual life of the period, focused around the work of Nietzsche. 3 s.h. ASSOCIATE PROFESSOR MORGAN

245-246. **†Philosophical Foundations of Religious Belief.**—Religion 295-296. 6 s.h. ACTING PROFESSOR DUBS

248. ***Philosophy of Values.**—2 s.h. ACTING PROFESSOR DUBS

FOR GRADUATES

301-302. **Seminar in Philosophy.**—Special problems, chiefly metaphysical. Two hours a week throughout the year. Time to be arranged. 4 s.h. PROFESSOR WIDGERY

305. ***Seminar: Spinoza.**—Detailed study of Spinoza's works showing the development of his own thought and his relation to his contemporaries. 3 s.h. PROFESSOR GILBERT

307. *Seminar: Kant.—*Second semester*. 2 s.h.
ASSOCIATE PROFESSOR MORGAN
308. *Seminar: Hegel.—A study of a selection of the texts together with recent interpretations. 3 s.h.
PROFESSOR GILBERT
310. *Seminar: Logical Positivism and Its Relation to Contemporary Movements in Philosophy and Science.—2 s.h. ASSOCIATE PROFESSOR LEONARD
315. *Seminar in Leibnitz.—2 s.h. ACTING PROFESSOR DUBS
319. Religious Thought in Colonial America.—Religion 393. 3 s.h.
PROFESSOR SMITH
320. Religious Thought in Modern America.—Religion 394. 3 s.h.
PROFESSOR SMITH
323. Seminar in American Religious Thought.—Religion 397. 2 s.h.
PROFESSOR SMITH
325. †Seminar: Locke, Berkeley, Hume.—2 s.h.
ASSOCIATE PROFESSOR LEONARD
326. Seminar: Christian Ethics.—Selected problems. Religion 398. 2 s.h.
PROFESSOR SMITH
- 331-332. Seminar in Special Fields of Philosophy.—2 s.h. each semester.
- (a) Logic and Philosophy of Science. ASSOCIATE PROFESSOR LEONARD
- (b) Ethics and Political Philosophy. ASSOCIATE PROFESSOR MORGAN
- (c) Aesthetics. PROFESSOR GILBERT
- (d) Philosophy of Religion and of History. PROFESSOR WIDGERY

RELATED COURSES IN OTHER DEPARTMENTS

- Education 200. Introduction to the Philosophy of Education.—3 s.h.
PROFESSOR HOLTON
- Greek 209-210. Plato.—6 s.h. ASSISTANT PROFESSOR WAY
- History 221-222. The Age of the Renaissance.—6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR NELSON
- Mathematics 287. Mathematical Logic.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ
- Mathematics 288. Foundations of Mathematics.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ
- Physics 213-214. Contemporary Physics.—6 s.h.
ASSOCIATE PROFESSOR CONSTANT
- Political Science 223. Political Thought to the Seventeenth Century.—3 s.h.
PROFESSOR WILSON
- Political Science 224. Modern Political Theory.—3 s.h. PROFESSOR WILSON
- Psychology 228. Psychology of Belief.—3 s.h. PROFESSOR LUNDHOLM
[Not offered in 1943-44]
- Religion 221. Platonism and Christianity.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR OUTLER

Religion 222. Theology and Philosophy in the Nineteenth Century.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR OUTLEE

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR JENSEN

Zoology 341. Historical and Philosophical Zoology.—2 s.h.
PROFESSOR HARGITT

PHYSICS

PROFESSOR NIELSEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—111

PHYSICS BUILDING; PROFESSORS EDWARDS, HATLEY, NORDHEIM, AND

SPONER; ASSOCIATE PROFESSORS CONSTANT AND MOUZON;

ASSISTANT PROFESSOR BONNER; DR. HEBB

The Department of Physics makes provision for both beginning and advanced graduate students. The courses are designed to give a broad basic foundation in classical and quantum physics.

The preliminary work for the Master's degree must be approved by the Department. It must include at least twelve semester hours of physics of Junior grade or higher, and mathematics through differential and integral calculus.

All graduate students will first be expected to acquire a thorough knowledge of the various branches of classical physics as well as some familiarity with modern physics and sufficient laboratory training. They will be required to take such course work in the 200 group of studies as may be necessary to complete this foundation.

To complete their course requirements in physics, graduate students will take such advanced courses as will best help them and fit them for the type of work in which they plan to specialize and undertake research. The character of the work in other related departments will also depend upon the field of subsequent specialization and research.

Since a reading knowledge of French and German is highly desirable, students are urged to satisfy the language requirements in both as early as possible.

The research work of the Department is largely confined to the experimental and theoretical fields of nuclear physics and molecular structure. Experimental work is also being done in magnetism.

FOR SENIORS AND GRADUATES

211. History of Physics.—A rapid review of the fundamental laws of physics developed from the historical point of view. **2 s.h.**

PROFESSOR EDWARDS

213-214. Contemporary Physics.—A course which covers in a descriptive manner the fundamental concepts and experimental basis of modern theories of the structure of matter. **6 s.h.**

ASSOCIATE PROFESSOR CONSTANT

215-216. Atomic Physics Laboratory.—Some of the more important experiments which form the basis of modern atomic theory. Special emphasis is placed on experimental technique, valuable in original physical investigations. **2-4 s.h.**

PROFESSORS NIELSEN AND SPONER

[Not offered in 1943-44]

217-218. Advanced General Physics Laboratory.—Exact measurements involving the fields of mechanics, electrical measurements, heat, and pyrometry. **2 s.h.**

PROFESSORS NIELSEN AND SPONER

[Not offered in 1943-44]

219. Electron Tubes and Their Application.—Theory and application of electron tube circuits with special emphasis on their use in scientific research. Two hours of lecture and one three-hour laboratory per week. **4 s.h.**

ASSOCIATE PROFESSOR MOUZON

221-222. Introduction to Theoretical Physics.—Lectures and problems on the fundamental principles and mathematical theory of the general field of physics, constituting a thorough foundation for subsequent specialization and more intensive study. **8 s.h.**

ASSOCIATE PROFESSOR CONSTANT

FOR GRADUATES

303. Thermodynamics.—Fundamental laws of thermodynamics and their applications to physics and chemistry. Offered jointly by the Departments of Physics and Chemistry. **3 s.h.**

PROFESSORS GROSS AND SPONER

[Not offered in 1943-44]

305. Kinetic Theory of Matter.—Gas laws, Maxwell's distribution law; mean free path; viscosity; heat conductivity; diffusion; phenomena in gases at low pressure; specific heat; entropy; probability and reaction kinetics. **3 s.h.**

PROFESSOR SPONER

307. Advanced Dynamics.—A course dealing with the more advanced phases of dynamics and considering such topics as equations of Lagrange and Hamilton, generalized coördinates, oscillatory and cyclic motion, criteria of equilibrium, and the Newtonian potential theory. **3 s.h.**

PROFESSOR NORDHEIM

308. Theory of Electricity and Magnetism.—Electrostatics and potential theory. Dielectric and magnetic media. The magnetic field of currents and the law of induction. AC currents and networks. **3 s.h.**

PROFESSOR NORDHEIM

311. Conduction of Electricity through Gases.—Electron theory of conduction through gases; spark and glow discharges; electric arcs; excitation of spectra; energy levels; radioactive radiations. **3 s.h.**

PROFESSOR EDWARDS

315-316. Principles of Quantum Theory.—Origin and fundamental concepts of quantum theory; wave and matrix mechanics; theory of measurements; exclusion principle and electronic spin. **6 s.h.**

PROFESSOR NORDHEIM

319. Electrodynamics.—Maxwell's system of electrodynamics. Production and propagation of electromagnetic waves. Wave optics. Theory of interference and diffraction. Crystal optics. **3 s.h.**

PROFESSOR NORDHEIM

320. Theory of Electrons.—Lorentz' equations of electrodynamics. Classical theories of dispersion, magnetism, and conductivity. Theory of relativity. **3 s.h.**

PROFESSOR NORDHEIM

[Not offered in 1943-44]

323. Theory of Atomic Spectra.—Excitation of spectra, computation of wave lengths from photographs of spectra, study of the structure of atomic spectra with applications. **3 s.h.**

PROFESSOR SPONER

[Not offered in 1943-44]

324. Theory of Molecular Spectra.—A study of the structure of molecular spectra with applications. **3 s.h.**

PROFESSOR SPONER

[Not offered in 1943-44]

340. Structure of Matter.—Selected topics dealing with the constitution of matter such as crystal structure and X rays, the solid state and problems of molecular structure. **3 s.h.**

PROFESSOR SPONER

341. Advanced Topics in Quantum Theory.—Quantum theory of radiation and collisions with special reference to nuclear physics. Prerequisite: Physics 315-316. **3 s.h.** PROFESSOR NORDHEIM
[Not offered in 1943-44]

343-344. Radioactivity and Nuclear Structure.—Discovery of radioactivity, properties of Alpha, Beta, and Gamma rays, successive transformations, artificial transmutations and nuclear structure. **6 s.h.** PROFESSOR NIELSEN
[Not offered in 1943-44]

351-352. Seminar.—A series of weekly discussions on topics related to the research projects under investigation in the department. **2 s.h.** STAFF

353-354. Thesis Seminar.—Students who are properly qualified may carry on research work under the direction of members of the Staff. **6 s.h.** STAFF

POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—311
LIBRARY; PROFESSORS RANKIN AND VON BECKERATH; ASSOCIATE PROFESSORS COLE AND SHIPMAN; ASSISTANT PROFESSORS GIBSON, HALLOWELL, LINEBARGER, AND WALTER

FOR SENIORS AND GRADUATES

207. American Constitutional Law and Theory.—A study of leading principles of American government, as developed through judicial interpretation of the Constitution. **3 s.h.** PROFESSOR WILSON

209. State and Local Government in the United States.—A study of the historical development of state and local governments, their present organization, their relation to each other and to the federal government. **3 s.h.** PROFESSOR RANKIN

211. Political Institutions of the Far East.—A study of the governmental systems of Japan, Korea, and China from the Chou Dynasty to the present. **3 s.h.** ASSISTANT PROFESSOR LINEBARGER
[Not offered in 1943-44]

212. International Politics of the Far East.—A study of changing power relationships in the Orient since the arrival of the Europeans. **3 s.h.** ASSISTANT PROFESSOR LINEBARGER
[Not offered in 1943-44]

223. Political Thought to the Seventeenth Century.—A survey of political thought from the time of Plato to the close of the sixteenth century. **3 s.h.** PROFESSOR WILSON

224. Modern Political Theory.—Political theories of the seventeenth and eighteenth centuries, and of the first half of the nineteenth, with a study of their influence upon modern political institutions. **3 s.h.** PROFESSOR WILSON

225-226. Comparative Government.—A comparative study of modern political institutions with special reference to bureaucracy, federalism, fascism, dictatorship, constitutions, representation, parliamentarism, and separation of powers. **6 s.h.** ASSISTANT PROFESSOR HALLOWELL

227-228. International Law.—Elements of international law, particularly as interpreted and applied by the United States. **6 s.h.** PROFESSOR WILSON

229. Recent and Contemporary Political Theory.—A study of the more significant contributions to political theory from 1850 to the present. **3 s.h.** ASSISTANT PROFESSOR HALLOWELL

230. American Political Institutions.—A study of the formation and development of institutions of the national government in the United States, with historical and analytical treatment. **3 s.h.** PROFESSOR RANKIN

241-242. The Administrative Process.—The function and theory of organization, delegated legislation, administrative adjudication, the control of administration, and special problems in economic balancing and proprietary activities. **6 s.h.** ASSISTANT PROFESSOR WALTER

244. Administrative Law.—The law of the administrative process, including the nature of regulatory authority, the status and liability of public officers, administrative tribunals and judicial review of administrative action. **3 s.h.** ASSISTANT PROFESSOR WALTER

246. Legislation.—A study of the legislative process with attention to procedure, methods, techniques, delegation of discretion, and the use of controls. **3 s.h.** ASSOCIATE PROFESSOR SHIPMAN

[Not offered in 1943-44]

252. Spanish-American Constitutionalism.—A comparative study of the nature, sources, and use of political authority in the constitutional law of Argentina, Chile, Colombia, and Uruguay. **3 s.h.** ASSISTANT PROFESSOR GIBSON
[Not offered in 1943-44]

271. Socio-Politics and Capitalism.—Labor and labor policies in Western Europe and the United States in the nineteenth and twentieth centuries. **3 s.h.** PROFESSOR VON BECKERATH

291. Municipal Government.—A study of general problems relating to the structural system and activities of municipalities in the United States. **3 s.h.** PROFESSOR RANKIN

292. Municipal Administration.—A study of principles and methods of municipal administration in the United States. **3 s.h.** PROFESSOR RANKIN

FOR GRADUATES

310. Seminar in State Government.—Open to students who have completed course 209 or its equivalent. **3 s.h.** PROFESSOR RANKIN
[Not offered in 1943-44]

311. Seminar in Far Eastern Politics.—Open to students who have completed course 211 or its equivalent. **3 s.h.** ASSISTANT PROFESSOR LINEBARGER
[Not offered in 1943-44]

325. Seminar in Comparative Government.—Open to students who have completed course 225-226 or its equivalent. **3 s.h.** ASSISTANT PROFESSOR HALLOWELL

328. Seminar in International Law.—Open to students who have completed course 227-228 or its equivalent. **3 s.h.** PROFESSOR WILSON

341. Seminar in Public Administration.—Open to students who have completed course 241-242 or its equivalent. **3 s.h.** ASSOCIATE PROFESSOR SHIPMAN
[Not offered in 1943-44]

RELATED COURSES IN OTHER DEPARTMENTS

Economics 233. State and Local Finance.—**3 s.h.**

ASSOCIATE PROFESSOR RATCHFORD

Economics 234. Federal Finance.—**3 s.h.** ASSOCIATE PROFESSOR RATCHFORD

Economics 237-238. Statistical Methods.—**6 s.h.**

ASSISTANT PROFESSOR SPRINGER

Economics 265. International Trade and Tariff Policies.—3 s.h.

PROFESSOR VON BECKERATH

Economics 266. International Finance.—3 s.h.

PROFESSOR HAMILTON

[Not offered in 1943-44]

Economics 270. Economics of War.—3 s.h.

PROFESSORS HAMILTON AND VON BECKERATH

Economics 316. Economic Functions of the State.—3 s.h.

PROFESSOR HOOVER

History 215-216. Foreign Policy and Diplomacy of the United States.—6 s.h.

PROFESSOR CLYDE

History 217-218. Europe since 1870.—6 s.h.

PROFESSOR CARROLL

[Not offered in 1943-44]

History 234. Political and Social Problems in the Hispanic American Republics.—3 s.h.

PROFESSOR LANNING

PSYCHOLOGY

PROFESSOR LUNDHOLM, CHAIRMAN—201 SCIENCE BUILDING; ASSOCIATE PROFESSOR ZENER, DIRECTOR OF GRADUATE STUDIES—217A SCIENCE BUILDING;
PROFESSOR RHINE; ASSOCIATE PROFESSOR ADAMS;
ASSISTANT PROFESSOR KEMP

The aim of the Department is to provide opportunity for advanced study in a variety of fields of theoretical and experimental psychology. The emphasis in the presentation of courses, however, is less upon quantity and extent than upon balance and selective representation.

In the direction of research done by graduate students, two general aims are kept in mind: that of training and that of fruitful achievement. The work for the Master's degree weights the first, that for the Ph.D. the second of these aims.

It is expected that the graduate students will have entered with preparation equivalent to the undergraduate courses offered by the Department. A reading knowledge of French and German is desirable from the beginning, and in no case should the acquisition of this be postponed later than the beginning of the second year.

No limitation is laid down as to the departments in which it is possible to minor. The fields most usually relevant to graduate study in psychology, however, are education, sociology and anthropology, endocrinology, physiology, and philosophy.

Encouragement is given to originality and freedom in thinking in the individual research of the student. There is wide tolerance of subject matter for research.

FOR SENIORS AND GRADUATES

202. Psychology of Aesthetics.—3 s.h.

PROFESSOR LUNDHOLM

204. Motivation and Learning.—Social and biological conditions of the operation, modification, organization of motivational systems. 3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR ZENER

206. Social Psychology.—Kinds of membership character; psychology of social movements; propaganda; revolution; nationalism; war. 2 s.h.

ASSOCIATE PROFESSOR ADAMS

207. Psychology of Memory, Thinking, Perceiving.—A study of thinking, remembering, and perceiving with reference to the basic processes involved and their determining conditions, with emphasis upon organization, meaning, and motivation. 3 s.h. ASSOCIATE PROFESSOR ZENER

209. Experimental Methods in Human Psychology.—A study of methods for the control and recording of essential variables in human psychological situations, with consideration of the relation of experimental techniques to problem formulation and psychological theory. Laboratory and lectures. *Second semester.* 4 s.h. ASSOCIATE PROFESSOR ZENER

212. Physiological Psychology.—3 s.h. ASSISTANT PROFESSOR KEMP
[Not offered in 1943-44]

215. Developmental Psychology.—The environmental forces conditioning the development of personality structure and the mechanisms contributing to psychological growth; critical periods in character formation from infancy to senescence. 3 s.h. (E) ASSOCIATE PROFESSOR ADAMS

223. Abnormal Psychology.—3 s.h. *Second semester only.* PROFESSOR LUNDHOLM
[Limited registration. Admission only after consultation with instructor.]

226. Contemporary Schools of Psychology.—3 s.h. (E) ASSOCIATE PROFESSOR ZENER
[Not offered in 1943-44]

228. Psychology of Belief.—3 s.h. PROFESSOR LUNDHOLM
[Not offered in 1943-44]

FOR GRADUATES

302. Seminar.—3 s.h. PROFESSOR LUNDHOLM
[Not offered in 1943-44]

303-304. Research.—2 or 3 s.h. PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE PROFESSORS ADAMS AND ZENER

306. Seminar in Child Psychology.—2 or 3 s.h. ASSOCIATE PROFESSOR ADAMS

307. Seminar in Psychology of Personality.—3 s.h. PROFESSOR RHINE

309. Theory of Learning.—3 s.h. ASSOCIATE PROFESSOR ADAMS

310. Seminar: Selected Problems in the Dynamics of Behavior.—3 s.h. ASSOCIATE PROFESSOR ZENER

313. Seminar in Parapsychology.—3 s.h. (E) PROFESSOR RHINE
[Not offered in 1943-44]

RELATED COURSES IN OTHER DEPARTMENTS

Education 208A. Mental Tests and Applications.—3 s.h. (E) ASSISTANT PROFESSOR VAN ALSTYNE

Education 208B. Practicum.—2 s.h. ASSISTANT PROFESSOR VAN ALSTYNE

Education 209. Statistical Methods Applied to Education.—2 s.h. (E) ASSOCIATE PROFESSOR SCATES

Education 217. Advanced Educational Psychology.—3 s.h. (E) PROFESSOR BROWNELL

Education 218. Educational Implications of Genetic Psychology.—3 s.h.
(E) PROFESSOR BROWNELL

Education 227. The Psychology of Learning: Problems.—3 s.h. (E)
[Not offered in 1943-44] ASSISTANT PROFESSOR EASLEY

Education 228. The Psychology of Learning: Theoretical and Experimental.—3 s.h. (E)
[Not offered in 1943-44] ASSISTANT PROFESSOR EASLEY

Education 258. Educational Measurements.—3 s.h. (E)
[Not offered in 1943-44] ASSOCIATE PROFESSOR SCATES

Education 320. Advanced Educational Statistics.—3 s.h.
ASSOCIATE PROFESSOR SCATES

Philosophy 231-232. Philosophy of Science.—6 s.h.
ASSOCIATE PROFESSOR LEONARD

Philosophy 241. Logic.—3 s.h. ASSOCIATE PROFESSOR LEONARD

Philosophy 242. Scientific Methodology.—3 s.h.
ASSOCIATE PROFESSOR LEONARD

Sociology 212. Child Welfare.—3 s.h. PROFESSOR JENSEN
[Offered in Summer Session, 1943.]

Sociology 217. Race and Culture.—3 s.h. ASSOCIATE PROFESSOR THOMPSON

Zoology 229. Endocrinology.—4 s.h. PROFESSOR CUNNINGHAM

Zoology 321. General Physiology.—4 s.h. PROFESSOR HALL

Zoology 324. Advanced Physiology.—4 s.h. PROFESSOR HALL

Zoology 341. Historical and Philosophical Zoology.—2 s.h.
PROFESSOR HARGITT

Zoology 351-352. Zoological Journal Club.—2 s.h. STAFF

Zoology 355-356(e). Seminar: Ecology, Parasitology, and Behavior.—
Credit to be arranged. PROFESSOR PEARSE AND DR. WHARTON
[Not offered in 1943-44]

RELIGION

PROFESSOR SMITH, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—HH-01, FEW
QUADRANGLE; PROFESSORS BRANSCOMB, DUBS, GARBER, AND RUSSELL; ASSO-
CIATE PROFESSORS CLARK AND STINESPRING; ASSISTANT PROFESSORS
OUTLER AND PETRY

Graduate study in religion leading to the degrees of Master of Arts and Doctor of Philosophy may be pursued in three fields: (1) Biblical Studies (Professor Branscomb, Adviser); (2) Studies in Church History (Professor Garber, Adviser); and (3) Studies in Christian Theology and Ethics (Professor Smith, Adviser). A student majoring in one of these fields will be expected to take such courses in one or both of the other fields as may be necessary to give an adequate understanding of his field of specialization.

Students pursuing work in the field of religion will be expected to take such other courses in cognate fields as will aid in the understanding of their field of specialization. Special attention is called to the Division of Ancient Languages and Literature for those working in Field I; to the Department of History for those working in Field II; and to the Department of Philosophy and the Department of Sociology for those working in Field III.

FIELD I. BIBLICAL STUDIES

201-202. First Hebrew.—The principles and structure of the Hebrew language with translation of selected Old Testament narratives. M.W.F. at 9:10. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

205-206. Arabic.—Introduction to the classical language and literature with some attention to the modern idiom. 6 s.h. [Not offered in 1943-44] ASSOCIATE PROFESSOR STINESPRING

207-208. Second Hebrew.—Samuel or Kings the first semester and Isaiah the second. M.W.F. at 2:00. 6 s.h. ASSOCIATE PROFESSOR STINESPRING

301. Old Testament Theology.—The religious and ethical teachings of the books of the Old Testament in their historical development. Prerequisite: Old Testament 203-204. T.Th.S. at 10:20. 3 s.h. PROFESSOR RUSSELL

304. Aramaic.—A study of the Aramaic portions of the Old Testament, and selected passages from the Targums, Midrashes, and Talmuds. Hours to be arranged. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

305. Third Hebrew.—A study of late Hebrew prose, with readings from Chronicles, Ecclesiastes, and the Mishnah. Hours to be arranged. 3 s.h. ASSOCIATE PROFESSOR STINESPRING

309. History of the Ancient Near East.—A survey of the early civilizations of Egypt, Palestine, Syria, and Mesopotamia in light of Biblical archaeology. T.Th.S. at 11:30. 3 s.h. ASSOCIATE PROFESSOR STINESPRING [Not offered in 1943-44]

310. Old Testament Prophecy.—The prophetic movement in Israel with special emphasis on the prophets of the eighth century B.C. T.Th.S. at 10:20. 3 s.h. ASSOCIATE PROFESSOR STINESPRING [Not offered in 1943-44]

218. Galatians and I Corinthians.—A detailed study of two of Paul's major epistles. The course will be based on the Greek text. T.Th.S. at 9:10. 3 s.h. PROFESSOR BRANSCOMB

220. I Peter and the Gospel of John.—A detailed study of two of the non-Pauline writings of the New Testament. The course will be based on the Greek text. T.Th.S. at 9:10. 3 s.h. PROFESSOR BRANSCOMB [Not offered in 1943-44]

311. The Life and Teachings of Jesus.—Prerequisite: New Testament 213-214. M.W.F. at 10:20. 3 s.h. PROFESSOR BRANSCOMB

312. New Testament Theology.—The religious teaching of the books of the New Testament. Prerequisite: New Testament 213-214. M.W.F. at 10:20. 3 s.h. PROFESSOR RUSSELL

313. The Apostolic Fathers.—A study of the Christian development from Clement of Rome to Polycarp, with readings of the Greek text. 3 s.h. ASSOCIATE PROFESSOR CLARK

314. Early Christian Apologists.—A study of Christian apologetic in the second century, with readings of the Greek text. 3 s.h. PROFESSOR BRANSCOMB

315. Hellenistic Religions at the Beginning of the Christian Era.—T.Th.S. at 10:20. 3 s.h. ASSOCIATE PROFESSOR CLARK

316. Judaism at the Beginning of the Christian Era.—A study of Judaism from the time of Ben Sirach to the writing of the Mishnah. T.Th.S. at 10:20. 3 s.h. PROFESSOR BRANSCOMB

318. Text of New Testament.—A study of the materials for the reconstruction of the text, the principles of textual criticism, and the history of the text. Practical exercises in the use of manuscripts and facsimiles will be given. T.Th.S. at 10:20. 3 s.h. ASSOCIATE PROFESSOR CLARK

FIELD II. STUDIES IN CHURCH HISTORY

331. The Social Message of the Early and Medieval Church.—A study of the social teachings and contributions of the Christian Church prior to the Protestant Reformation. Prerequisite: Church History 233-234. T.Th.S. at 8:00. 3 s.h. ASSISTANT PROFESSOR PETRY

332. The Medieval Church.—Outstanding characteristics of the Medieval Church, emphasizing theory, polity, institutions, sacraments, and worship. Prerequisite: Church History 233-234. T.Th.S. at 8:00. 3 s.h. ASSISTANT PROFESSOR PETRY

333. The Church in Europe since 1800.—Emphasis is placed on the relation of the Church to the social, economic, and political life of Modern Europe. Prerequisite: Church History 233-234. M.W.F. at 11:30. 3 s.h. PROFESSOR GARBER

335-336. The Church in America.—The Church as a factor in the social, economic, and political life of America. Prerequisite: Church History 233-234. 6 s.h. PROFESSOR GARBER

337. Religion in the Southern States since the Civil War.—A study of the religious life of the Southern people since 1865. Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER

[Not offered in 1943-44]

339. Seminar on Frontier Religion.—Special studies on influence of the frontier in American religious life. Prerequisite: Church History 233-234. 2 s.h. PROFESSOR GARBER

340. Church Reformers and Christian Unity.—The work of such reformers as Marsilius of Padua, William of Ockham, John Gerson, Pierre d'Ailly, and Nicholas of Cusa in relation to ecclesiastical schism and the search for Christian unity through representative councils. Prerequisite: Church History 233-234. M.W.F. at 9:10. 3 s.h. ASSISTANT PROFESSOR PETRY

341. A History of Christian Renunciation in the Middle Ages.—A study of the renunciatory ideal and spiritual practices with special reference to Benedictines, Franciscans, Lowland Mystics, and leading seculars. Prerequisite: Church History 233-234. M.W.F. at 9:10. 3 s.h. ASSISTANT PROFESSOR PETRY

FIELD III. STUDIES IN CHRISTIAN THEOLOGY AND ETHICS

221. Platonism and Christianity.—An analysis of Plato's religious philosophy and a survey of its continuing influence in Hellenistic and Christian thought. Prerequisite: six semester hours in philosophy or its equivalent. 3 s.h. [Not offered in 1943-44] ASSISTANT PROFESSOR OUTLER

222. Theology and Philosophy in the Nineteenth Century.—A study of Protestant thought from Schleiermacher to Troeltsch, with special attention to the reciprocal relations between theology and metaphysics. 3 s.h. [Not offered in 1943-44] ASSISTANT PROFESSOR OUTLER

291. Christian Ethics I.—A historical and systematic study of Christian conceptions of the moral life. T.Th.S. at 11:30. 3 s.h. PROFESSOR SMITH

292. Christian Ethics II.—A critical consideration of selected contemporary social problems from the viewpoint of the Christian ethic. T.Th.S. at 11:30. 3 s.h. PROFESSOR SMITH

295. Philosophical Foundations of Religious Belief I.—The nature of religion, its types and their characteristics as bearing upon contemporary Christianity. T.Th. at 2:15-3:30. 3 s.h. ACTING PROFESSOR DUBS
[Not offered in 1943-44]

296. Philosophical Foundations of Religious Belief II.—The problems of knowledge and value; the values of religion; the ideal religion; an attempt to formulate a tenable theistic philosophy. T.Th. at 2:15-3:30. 3 s.h. ACTING PROFESSOR DUBS
[Not offered in 1943-44]

321. History of Christian Thought I.—A study of theology and philosophy in the development of the patristic and medieval Church. Special attention is given to the writings of the most influential thinkers and the official pronouncements of the Church. 3 s.h. ASSISTANT PROFESSOR OUTLER

322. History of Christian Thought II.—A study of theological thought in the development of Protestant Christianity and Roman Catholicism. Special attention is given to problems of theological method and the influence of critical and speculative thought in science and philosophy. 3 s.h. ASSISTANT PROFESSOR OUTLER

323. The Christian Conception of the Church.—A historical survey of the ways in which the Christian tradition has interpreted the idea of the Church, followed by a critical analysis of the theological implications of such contemporary problems as church and state, church and culture, and the ecumenical movement. Prerequisite: Christian Doctrine 321. M.W.F. at 11:30. 3 s.h. ASSISTANT PROFESSOR OUTLER
[Not offered in 1943-44]

329. Seminar in Historical Theology.—Selected problems in the history of Christian thought, with special reference to the relation between theology and philosophy. Hours to be arranged. 2 s.h. ASSISTANT PROFESSOR OUTLER

366. Seminar in Philosophy of Religious Education.—A critical study of the basic concepts and theories underlying religious education. T. at 3:30. 2 s.h. PROFESSOR SMITH

393. Religious Thought in Colonial America.—A survey of the main developments in colonial religious thought, including Christian ethics. M.W.F. at 10:20. 3 s.h. PROFESSOR SMITH

394. Religious Thought in Modern America.—A survey of the major currents in later American religious and ethical thought, with special attention to liberal Protestantism. M.W.F. at 10:20. 3 s.h. PROFESSOR SMITH

397. Seminar in American Religious Thought.—Selected problems, chiefly of the nineteenth century. T. at 3:30. 2 s.h. PROFESSOR SMITH
[Not offered in 1943-44]

398. Seminar in Christian Ethics.—A critical study of selected problems. T. at 3:30. 2 s.h. PROFESSOR SMITH
[Not offered in 1943-44]

399. Seminar in Theology and Ethics.—Readings and critical analysis of the theological and ethical thought of the main figures of the nineteenth century, including both European and American thinkers. T. at 3:30. 2 s.h. PROFESSOR SMITH AND ASSISTANT PROFESSOR OUTLER

ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN—107 GRAY BUILDING; PROFESSOR JORDAN, DIRECTOR OF GRADUATE STUDIES—106 GRAY BUILDING; PROFESSOR COWPER; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON; ASSISTANT PROFESSORS DAVIS, HASBROUCK, AND REID

To be eligible for graduate study in this Department, the student should have credit for four years of college work in the chosen language, or eighteen hours beyond the conventional two units offered at entrance to college. In addition to this minimum requirement, one semester of composition and grammar review is highly desirable.

It is recommended that candidates for the Master's degree take a second Romance Language for the minor subject.

A candidate for the Ph.D. degree should be equipped to follow graduate courses in a second Romance Language. Some training in Romance Linguistics will be required for this degree, the amount to be determined by the Department upon consideration of the student's preparation in the field.

FRENCH

FOR SENIORS AND GRADUATES

213. **French Classicism.**—From Malherbe to La Bruyère. 3 s.h.

ASSOCIATE PROFESSOR WALTON

214. **French Classicism.**—From La Bruyère to the Encyclopedists and Beaumarchais. 3 s.h.

ASSOCIATE PROFESSOR WALTON

215-216. **The Modern French Novel.**—A survey of the novel form from the seventeenth to the twentieth century, with particular attention to the analysis of fundamental literary tendencies; classicism, rationalism, romanticism, and realism. 6 s.h.

PROFESSOR JORDAN

217. **French Phonetics.**—French sounds and French spelling; pronunciation drills; exercises in phonetic transcription and dictation; diction; aural comprehension. *Second semester.* 3 s.h.

PROFESSOR WEBB

218. **Materials and Methods.**—History of the teaching of French and Spanish; methods; the course of study; analysis and criticism of representative texts; tests and examinations; objectives in the light of teaching conditions, equipment and future application. *First semester.* 3 s.h.

PROFESSOR WEBB

219. **Old French.**—An introduction to the Old French language and literature. *The Chanson de Roland—Aucassin et Nicolette.* 3 s.h.

PROFESSOR COWPER

220. **Old French.**—Types of Old French literature. The romances of chivalry. 3 s.h.

PROFESSOR COWPER

227. **French Poetry since Théophile Gautier.**—Parnassianism and Symbolism. 3 s.h.

ASSOCIATE PROFESSOR WALTON

232. **Rousseau and the Beginnings of Romanticism.**—3 s.h.

PROFESSOR COWPER

233. **Main Currents of Modern French Literature.**—A survey of the principal literary tendencies from the seventeenth to the nineteenth century. Selected illustrative readings from leading authors. 3 s.h.

PROFESSOR WEBB

FOR GRADUATES

317. **History of the French Language.**—3 s.h. PROFESSOR COWPER

323. **Realism and Naturalism.**—Literary doctrines and practices in the generation of 1850-90, with particular reference to the background of scientific thinking. 3 s.h. PROFESSOR JORDAN

325-326. **French Literature in the Sixteenth Century.**—6 s.h. ASSOCIATE PROFESSOR WALTON

328. **Anatole France.**—3 s.h. ASSOCIATE PROFESSOR WALTON

331. **Diderot and the Encyclopédie.**—3 s.h. PROFESSOR COWPER

333-334. **Contemporary French Literature.**—A study of the main currents in the twentieth century, with consideration chiefly of authors who have contributed most to contemporary tendencies. 6 s.h. PROFESSOR JORDAN

350. **Nineteenth-Century French Criticism.**—A survey of critical doctrines and practices from Sainte-Beuve to the end of the century. 3 s.h. PROFESSOR JORDAN

Of the courses listed above, the following will be offered during the first semester of the year 1943-44: 218, and four courses from the group 213, 215, 219, 233, 323, 333. During the second semester, 217, and four courses from the group 214, 216, 220, 227, 232, 334, 350.

SPANISH

FOR SENIORS AND GRADUATES

253. **Spanish Phonetics.**—The sounds of the Spanish language; sound changes; exercises in transcription; regional pronunciation; intonation; limited use of electrical recording machines. 3 s.h. ASSOCIATE PROFESSOR LUNDEBERG

255-256. **Studies in Spanish-American Literature.**—The course will center about the development of national and continental consciousness in Spanish-American literary history from colonial times to the present day, although special emphasis will be given to modern literature. Extensive individual investigations and reports with adequate training in bibliography. 6 s.h. [Not offered in 1943-44] ASSISTANT PROFESSOR REID

257. **The Modern Spanish Critical Essay.**—This course will attempt a definition of the Spanish national genius in relation to contemporary European thought. The main emphasis will be given to the critical essays of such recent writers as Unamuno, Ortega y Gasset, and Madariaga. 3 s.h. [Not offered in 1943-44] ASSISTANT PROFESSOR HASBROUCK

258. **Landmarks of Medieval and Renaissance Literature.**—The development of the national spirit as manifest in representative works of early Spanish literature, such as the *Cantar de Mio Cid*, the *Romancero*, and the *Celestina*, with some attention to the characteristics of the older language. 3 s.h. ASSISTANT PROFESSOR DAVIS

260. **Advanced Syntax and Composition.**—A systematic review of Spanish syntax; free oral and written composition; selected translation assignments; epistolary forms, etc. Conducted mainly in Spanish. 3 s.h. ASSOCIATE PROFESSOR LUNDEBERG

261-262. **The Modern Spanish Novel.**—The evolution of the novel from the *Costumbrista* writers through the generation of 1898. 6 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR LUNDEBERG

265. **Golden Age Literature: Cervantes.**—The *Novelas ejemplares*; analytic study of the tales, their style, literary importance and influence. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

266. **Golden Age Literature: The Don Juan Theme.**—Study of the representative Don Juan plays of the Golden Age, with reference to use of this motif by later writers. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1943-44]

For Methods of Teaching Spanish see French 218.

SOCIOLOGY AND ANTHROPOLOGY

PROFESSOR ELLWOOD, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 GRAY BUILDING; PROFESSORS GROVES, HART, AND JENSEN; ASSOCIATE PROFESSORS GILLIN AND THOMPSON

205. **Social Pathology.**—A study of the causes, extent, significance, and constructive treatment of the principal forms of pathology in modern society: poverty, physical defectiveness, malnutrition, mental deficiency, mental disease, undirected leisure activities, and unstandardized commercial recreation, alcoholism, prostitution, vagrancy, and delinquency. Prerequisite: course 91-92, 101, or 131-132. 3 s.h.

PROFESSOR JENSEN

206. **Criminology.**—A study of the original tendencies of man and the problem of socializing these tendencies; the relations of physical and mental defectiveness and untoward influences in the home and neighborhood to crime; the development of criminological theory and procedure, emphasizing penal and reform methods, and especially modern methods of social treatment and prevention of crime. Prerequisite: course 91-92, 101, or 131-132. 3 s.h.

PROFESSOR JENSEN

212. **Child Welfare.**—A study of heredity and environment as factors in personality development; infant conservation; welfare responsibilities of the school, emphasizing the physical and mental well-being of the child, play, and compulsory and industrial education; child labor, diagnosis and treatment of delinquency; care of the dependent and neglected child; child-caring agencies, public and private; and a community program of child welfare. Prerequisite: course 91-92, 101, or 131-132. 3 s.h.

PROFESSOR JENSEN

[Offered in Summer Session, 1943]

213. **Constructive Social Policies.**—An intensive study of the theories and legislation dealing with such problems as compensation, vocational re-education, and other methods of social insurance and social improvement. 2 s.h.

[Not offered in 1943-44]

PROFESSOR JENSEN

215. **Rural Sociology.**—A study of the societies developed by people who settle the land and exploit it for a livelihood; patterns of settlement; culture; peasant, farmer, and folk societies; and rural institutions. Special attention is given to the plantation and the rural problems of the South. Prerequisite: course 91-92, 101, or 131-132. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

216. **Urban Sociology.**—The city and civilization. This course studies the inner life and problems of the city and its function in the larger regional and world community which it nucleates. Prerequisite: course 91-92, 101, or 131-132. 3 s.h.

ASSOCIATE PROFESSOR THOMPSON

217. Race and Culture.—An analytical study of racial and cultural relations and problems of the Indian, the Negro, and other minority groups in historical and contemporary society. Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON

225. Statistical Methods in Sociology.—Deals with the processes of definition, classification, measurement, tabulation, association, correlation, comparison of averages and of percentages, causation, prediction, preparation and interpretation of charts and graphs, as applied to and illustrated by sociological data. Prerequisite: course 91-92, 101, or 131-132. 3 s.h. PROFESSOR HART

227. Emigration and Immigration.—A study of territorial movements of population with special reference to Europe and America. Causes and extent of migration; its effect upon American and European society; origin and characteristics of immigrant groups and their organization in the New World; problems, agencies, and processes of assimilation. Prerequisite: course 91-92, 101, or 131-132. 3 s.h. PROFESSOR JENSEN

[Not offered in 1943-44]

236. Social Ethics.—An attempt to develop answers to such questions as: How can potential leaders discover and acquire the skills required for rendering their fullest service to their fellow men, particularly capacities for creative cooperation and insight? On what intellectually and scientifically sound basis can one formulate the fundamental policies of one's life? On what ultimate criteria are social policies to be based? 3 s.h. PROFESSOR HART

237. Indians of North America.—Origin and early developments of aboriginal populations; development and distribution of tribes, their customs and languages; Indian influences on Euro-American culture; present status of the Indians; considerations of the culture-environment relationship in the light of comparison between aboriginal and modern American life. Prerequisite: course 131. 3 s.h. ASSOCIATE PROFESSOR GILLIN

[Not offered in 1943-44]

238. Anthropological Backgrounds of Latin America.—The aboriginal races and cultures of South America; origins; development; distribution and variations at the time of the Discovery; Iberian and African racial importations of the past four hundred years; the contemporary fusion and mixtures in such areas as Brazil, the Andean highlands, etc., and their relation to certain contemporary problems. Prerequisite: course 131. 3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR GILLIN

239. Acculturation and Cultural Synthesis.—A study of the results of contact between preliterate and literate cultures in various parts of the world and the prospects for the future. Prerequisite: course 131. 3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR GILLIN

240. The Peoples of Africa.—A survey of the aboriginal peoples and cultures of Africa from the earliest times to the present day with special attention to the areas of origin of the American Negro. Prerequisite: course 131. 3 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR GILLIN

252. Education and Social Control.—A study of education as an agency of social progress from primitive times to the present. Prerequisite: course 91-92, 101, or 131-132. 2 s.h. PROFESSOR ELLWOOD

[Not offered in 1943-44]

281. Public Opinion.—The fundamental problems and processes of social control and social change in democratically organized groups; the nature and development of public opinion, its cultural and psychological bases, the role

of leadership, pressure groups, prestige, propaganda, censorship, advertising, the press, the motion picture, the radio, the graphic arts, etc., in its management and dissemination. **3 s.h.**

PROFESSOR JENSEN

[Not offered in 1943-44]

FOR GRADUATES

317. Seminar in Anthropology.—A seminar for advanced students who wish to pursue individual studies in racial or cultural anthropology. **1 to 3 s.h. each semester.**

ASSOCIATE PROFESSOR GILLIN

[Not offered in 1943-44]

319. Principles of Sociology.—A critical study of sociological theory. The sociological theories of recent writers will be critically examined with a view to laying the foundation for a constructive theory of the social life in modern biology and psychology. Discussions and papers by the class. **3 s.h.**

PROFESSOR JENSEN

[Not offered in 1943-44]

320. History of Social Philosophy.—Lectures on the development of social thought from Aristotle to the present; the social philosophies of Plato, Aristotle, St. Augustine, Thomas Aquinas, Machiavelli, Bodin, Hobbes, Locke, Vico, Montesquieu, Rousseau, Condorcet, and the sociological systems of Comte, Spencer, Schaeffle, Lilienfeldt, Gumplowicz, Ratzenhofer, and Ward will, among others, be considered. A large amount of assigned reading will be required in this course. The student is advised to correlate this course with related courses in economics, history, political science, and philosophy. **3 s.h.**

PROFESSOR JENSEN

322. Methods of Social Research.—A study of the various methods of research and investigation that can be applied to the study of social phenomena. **3 s.h.**

PROFESSOR JENSEN

[Not offered in 1943-44]

326. Operational Sociology.—A seminar for advanced students, presenting an operational philosophy of social science as a basis for research in sociology and religion. Examples of operational procedure in these fields will be analyzed. Assigned projects will embody applications of the operational method. Prerequisite: one of the following: Sociology 225, or Economics 237-238, or Education 209, or Mathematics 74 or 275, or some other acceptable course in statistics. **3 s.h.**

PROFESSOR HART

[Not offered in 1943-44]

330. Seminar.—Research work upon special problems in sociology and anthropology. **1 s.h. each semester.**

PROFESSORS ELLWOOD, HART, AND JENSEN; ASSOCIATE

PROFESSORS GILLIN AND THOMPSON

340. Seminar.—Special problems in race relations, urban and rural life, and the sociology of the South generally. **3 s.h. each semester.**

ASSOCIATE PROFESSOR THOMPSON

342. Seminar in Marriage and the Family.—Special problems. Open to to graduate students who have had at least twelve hours in sociology. **2-4 s.h.**

[Not offered in 1943-44]

PROFESSOR GROVES

350. Seminar in Applied Sociology.—Special research problems in social pathology, child welfare, criminology, and related topics. **1 to 3 s.h. each semester.**

PROFESSOR JENSEN

351. Seminar in Medical Sociology.—The basic principles of the various medical specialties as applied to the problems of marriage and the family. Open only to graduate students in sociology, with the consent of the instructor and of the Director of Graduate Studies. Given by the Staff of the Medical School under the direction of Dr. Bayard Carter, M.D. 2 s.h.

352. Seminar in Family Law.—A seminar approach to the efforts of the social sciences, including law, to deal with the intricate and perplexing problems of the modern family. Readings are assigned in legal and sociological material. 2 s.h.
PROFESSOR BRADWAY

RELATED COURSES IN OTHER DEPARTMENTS

Economics 217. Population Problems and Resources.—3 s.h.

PROFESSOR SPENGLER

Economics 315. Economic Systems.—3 s.h.

PROFESSOR HOOVER

Economics 316. Economic Functions of the State.—3 s.h.

PROFESSOR HOOVER

Philosophy 205. Philosophy of History.—3 s.h.

PROFESSOR WIDGERY

[Not offered in 1943-44]

Political Science 223. Political Thought to the Seventeenth Century.—3 s.h.
PROFESSOR WILSON

Political Science 224. Modern Political Theory.—3 s.h.

PROFESSOR WILSON

Psychology 206. Social Psychology.—3 s.h.

ASSOCIATE PROFESSOR ADAMS

ZOOLOGY

PROFESSOR GRAY, CHAIRMAN—218 BIOLOGY BUILDING; PROFESSOR HARGITT, DIRECTOR OF GRADUATE STUDIES—326 BIOLOGY BUILDING; PROFESSORS CUNNINGHAM, HALL, AND PEARSE; ASSISTANT PROFESSORS BOOKHOUT, JEFFERS, AND JOHNSON

For admission to candidacy for the Master's degree the applicant should have completed an undergraduate major in zoology or its equivalent (courses in general science and botany cannot be counted as a part of the zoology major). This normally amounts to about twenty-four semester hours of course work, which should be distributed among the various fields of zoology and must include comparative anatomy of vertebrates or vertebrate zoology, physiology, and embryology. The major work must have been passed with good grades. At least one year of chemistry is required, and a year of physics is recommended. Work for the degree will require eighteen hours in advanced courses in zoology, six hours in a minor department, and a thesis.

For admission to candidacy for the Ph.D. degree it is expected that the undergraduate major in zoology will amount to about thirty-two hours which have been passed with good grades. Comparative anatomy of vertebrates or vertebrate zoology, physiology, and embryology must be included in the undergraduate major. At least two years of chemistry and one year of botany are required and one year of physics is recommended; for certain fields organic chemistry is desirable. Toward the end of the first year of residence a committee will be appointed for each candidate, which will review his preparation and set specific requirements to be met. This program will include one or more graduate courses in each of several fields of zoology; broad knowledge of science in general and of biology in particular, attained by wide reading;

required major and minor courses, and research; and a satisfactory dissertation which is the result of original work. The Department requires that a first draft of the dissertation shall be completed by March 15 of the year in which the degree is to be conferred. At least one year before the degree is to be conferred each candidate must pass an examination on the whole field of zoology and the minor.

FOR SENIORS AND GRADUATES

204. Advanced Parasitology.—Lectures, conferences, readings, and laboratory work dealing with practical and theoretical matters relating to animal parasites. Offered in alternate years. Prerequisite: Zoology 161. **4 s.h.**
[Not offered in 1943-44] PROFESSOR PEARSE

222. Entomology.—Anatomy, physiology, embryology, and classification of insects. Prerequisite: one year of zoology. **4 s.h.** PROFESSOR GRAY

224. Vertebrate Zoology.—A study of the life histories, adaptations, ecology, and classification of vertebrate animals. May be offered when the demand is sufficient. Prerequisite: Zoology 53. **4 s.h.** PROFESSOR GRAY

229. Endocrinology.—The structure, physiology, and embryology of the endocrine glands. Lectures, reading assignments, reports, and laboratory work. Prerequisites: Zoology 53, 92. **4 s.h.** PROFESSOR CUNNINGHAM

274. Invertebrate Zoology.—A study of structure, function, and habits of invertebrate animals under normal and experimental conditions. Field trips will be made to study, collect, and classify animals in their natural habitats. Offered in alternate years. Prerequisites: Zoology 1 and 2. **4 s.h.**
ASSISTANT PROFESSOR BOOKHOUT

276. Protozoology.—The morphology, physiology, taxonomy, and culture of Protozoa. Offered in alternate years. Prerequisites: Zoology 1 and 2. **4 s.h.**
[Not offered in 1943-44] ASSISTANT PROFESSOR BOOKHOUT

FOR GRADUATES

303. Ecology.—Relation of animals to environment. Lectures, readings, reports, conferences; laboratory and field work. Offered in alternate years. **4 s.h.**
[Not offered in 1943-44] PROFESSOR PEARSE

306. Advanced Ecology.—Lectures, conferences, field work, and methods. Offered in alternate years. Prerequisite: Zoology 303. **4 s.h.**
[Not offered in 1943-44] PROFESSOR PEARSE

307. Foundations of Zoology.—Lectures, readings, and discussions on the background and training essential for a professional zoologist. Offered in alternate years. **2 s.h.** PROFESSOR PEARSE

321. General Physiology.—Comparative study of functions in all animal groups, especially vertebrates. Lectures, laboratory work, and conferences. **4 s.h.** PROFESSOR HALL

324. Advanced Physiology.—Present-day problems in physiology, with laboratory projects involving precise instrumental analyses. Lectures, conferences, and laboratory work. Prerequisite: Zoology 151 or 321. **4 s.h.**
PROFESSOR HALL

327. Experimental Embryology.—Lectures, assigned readings, and reports. Offered in alternate years. Prerequisites: Zoology 92, 151 or 321. **3 s.h.**
PROFESSOR CUNNINGHAM

341. Historical and Philosophical Zoology.—Readings and discussions. A critical study of the developments of modern biological concepts and theories, their past and present significance. Offered in alternate years. **2 s.h.**
[Not offered in 1943-44] PROFESSOR HARGITT

343. Cytology.—The structure of the cell. Lectures, readings, reports, and laboratory work. Offered in alternate years. Prerequisites: Zoology 53, 92, 156, or equivalents. **4 s.h.** PROFESSOR HARGITT

351-352. Zoological Journal Club.—A weekly meeting of graduate students and Faculty to hear reports and to discuss biological facts, theories, and problems. One hour a week throughout the year. Required of all graduate students who major in zoology. **2 s.h.** STAFF

353-354. Research.—Students who have had proper training may carry on research under direction of members of the Staff, in the following fields:

(a) Embryology and Endocrinology.

PROFESSOR CUNNINGHAM AND ASSISTANT
PROFESSOR JEFFERS

(b) Comparative and General Physiology.

PROFESSOR HALL

(c) Histology and Cytology.

PROFESSOR HARGITT AND ASSISTANT
PROFESSOR JOHNSON

(d) Invertebrate Zoology.

ASSISTANT PROFESSOR BOOKHOUT

(e) Ecology, Parasitology, and Behavior.

PROFESSOR PEARSE

(f) Vertebrate Zoology and Entomology.

PROFESSOR GRAY

Hours and credits to be arranged.

355-356. Seminar.—Special seminar courses in particular fields are given by various professors when the number of students makes them desirable. Hours and credits to be arranged.

(a) Embryology and Endocrinology.

PROFESSOR CUNNINGHAM

*** (b) Comparative and General Physiology.**

PROFESSOR HALL AND DR. WILSON

(c) Histology and Cytology.

PROFESSOR HARGITT, ASSISTANT PROFESSORS
JEFFERS AND JOHNSON

*** (d) Invertebrate Zoology.**

ASSISTANT PROFESSOR BOOKHOUT

*** (e) Ecology, Parasitology, and Behavior.**

PROFESSOR PEARSE AND DR. WHARTON

*** (f) Vertebrate Zoology and Entomology.**

PROFESSOR GRAY

COURSES IN THE MEDICAL SCHOOL OPEN TO GRADUATE STUDENTS

PROFESSORS EADIE, HETHERINGTON, PERLZWEIG, AND D. T. SMITH; ASSOCIATE
PROFESSORS F. BERNHEIM, DANN, MCCREA, MARTIN, AND TAYLOR;
ASSISTANT PROFESSORS M. L. C. BERNHEIM, CONANT, COOLIDGE,
EVERETT, HOLLINSHEAD, AND NEURATH;
DR. YOUNGSTROM

The facilities of the departments listed below are available to qualified students for independent or supervised research and investigations whether working for advanced degrees or otherwise.

* Not offered in 1943-44.

Graduate students desiring to pursue a major or a minor in any of the departments listed below or to be admitted to any of the courses listed below should consult or write to the Head of the Department concerned: Anatomy, Dr. Hetherington; Bacteriology, Dr. D. T. Smith; Biochemistry, Dr. Perlzweig; Physiology and Pharmacology, Dr. Eadie; Nutrition, Dr. Dann. Because of the accelerated program in the Medical School, graduate students are advised to write the Heads of the Departments for the exact dates of the different courses.

ANATOMY

M201. Gross Human Anatomy.—A course especially designed for graduate students, comprising a complete dissection of the cadaver. The laboratory work is supplemented by conferences which place emphasis on the biological aspects of the subject. Jan.-April, 1944. Hours and credits (maximum 8 s.h.) by arrangement. Prerequisites: adequate training in comparative anatomy and embryology. DR. HETHERINGTON AND STAFF

M202. Microscopic Anatomy.—Conferences and laboratory work on the morphological characteristics of the tissues of the animal body. The work is based upon a study of fresh and prepared material and is approached from the physiological viewpoint. Jan.-April, 1944. Hours and credits (maximum 2 s.h.) by arrangement. Prerequisite: adequate training in histology or cytology. DR. HETHERINGTON AND STAFF

M203. Anatomy of the Nervous System.—A study of the gross and microscopic structure of the human central nervous system, special attention being paid to the structural and functional relationships between the various nuclei and fiber tracts. Jan.-April, 1944. Hours and credits (maximum 4 s.h.) by arrangement. Prerequisite: Anatomy M201. DR. HETHERINGTON

BACTERIOLOGY AND IMMUNOLOGY

M221. Bacteriology and Immunology.—This course is devoted primarily to the study of the biological and immunological relationships of micro-organisms in disease. It is not a course in bacteriologic technique. An additional course in technical methods is provided for those who require it. Two hours lecture and 8 hours laboratory per week in fall quarter. Prerequisites: courses in general zoology, general botany, histology and comparative anatomy, general and organic chemistry. 4 s.h. DR. D. T. SMITH AND STAFF

M223. Advanced Bacteriology and Immunology.—This course is intended primarily for graduate students majoring in bacteriology, but it is also available as a minor to such other graduate students in related fields, to whom it is recommended by respective supervising committees and with the approval of the Department of Bacteriology. 8 s.h. DR. D. T. SMITH AND STAFF

BIOCHEMISTRY

M241. General Biochemistry.—Three lectures, four laboratory periods of three hours each, and one two-hour seminar weekly for eleven weeks. Prerequisites: general chemistry, organic chemistry, elementary physical and analytical chemistry, and at least one year of college biology. May-Aug., 1944. 6 s.h. DRs. PERLZWEIG AND TAYLOR, AND STAFF

M242. Biochemical Preparations.—Eight hours laboratory with conferences when necessary. This course involves detailed study of the chemistry of enzymes, proteins, fats, carbohydrates and derivatives. Prerequisite: Biochemistry M241. Hours by arrangement. 2 s.h. DR. TAYLOR AND STAFF

M243-244. Physical Chemical and Colloid Chemical Principles of Biochemistry.—Special emphasis is given to the structure and physical chemistry of proteins, enzymes, viruses, etc. Two hours per week throughout the year. DR. NEURATH

M341. Pathological Chemistry.—Seminar course devoted to a detailed study of the chemical and physical chemical aspects of normal and abnormal metabolism. Two hours per week by arrangement. Prerequisites: Biochemistry M241 and Physiology M261-2.

Laboratory work consisting chiefly of blood and urine analysis in relation to problems discussed will be provided for students desiring it.

DRS. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

M343. Immunochemistry.—A seminar dealing with the fundamentals of immunological reactions in general and with the chemistry of antigen-antibody reactions in particular. 2 s.h. DRS. MARTIN AND NEURATH

M345. Biological Oxidations.—A seminar devoted to a study of the thermodynamics, kinetics, and mechanisms of biological oxidation-reduction systems. 2 s.h. DR. COOLIDGE AND STAFF

PHYSIOLOGY, PHARMACOLOGY, AND NUTRITION

M261-2. Human Physiology and Pharmacology.—Six lectures and twenty laboratory hours per week. Prerequisites: Anatomy M201 and Biochemistry M241 (or equivalents) and at least one year of college physics. May-Aug., 1944. Credits depending on work taken. (Maximum 8 s.h.)

The lectures in pharmacology, two hours per week, are included in this course and may be taken separately or omitted, depending upon the needs of the student. DR. EADIE AND STAFF

M263. Physiology of Digestion, Metabolism, and Nutrition.—Two hours lectures and conferences and the equivalent of one laboratory period of three hours per week. Prerequisite: Biochemistry M241. May-Aug., 1944. 2 s.h.

This course constitutes a part of Physiology M261-2, but may be taken separately. DRS. DANN, EADIE, AND F. BERNHEIM

M363-4. Advanced Seminar in Nutrition.—Prerequisites: Biochemistry M241 and Physiology M261 or equivalents. Two hours weekly. 4 s.h. DR. DANN

ADVANCED DEGREES CONFERRED MAY 29, 1942

MASTER OF ARTS

Bachelor, Horace Lyman
 Barrs, William Kenneth
 Baxter, Joseph Ray
 Berry, Christine Brooks
 Canada, Mary Whitfield
 Cleaveland, Frederic Neill
 Cogswell, Sumter Aldage
 Cox, James Stanley
 Cuthrell, Mabel Claire
 Faucette, Olive Cannady
 Freiser, Henry
 Hahn, Samuel Wilfred
 Hardendorff, Victor Hall
 Herndon, Fred Jackson
 Hughes, Ann Miriam
 Humm, Harold Judson
 Jones, Marian Porcher
 Keever, Nancy Catherine

Lundberg, Donald Emil
 McCann, Florence Ford
 Metcalf, Margaret Jane Schnabel
 Miller, William Long
 Minnich, Lawrence Arthur, Jr.
 Moffett, Robert Preyer
 Nau, Walter Theodore
 Neupert, Lois Elizabeth
 Polk, Alice Morella
 Purser, David Ingram, III
 Redman, Robert Brittain
 Reynolds, John Bradley
 Reynolds, Thomas Davies
 Siegel, Paul Shafer
 Sloan, Alice Catherine Gaines
 Stockdale, Ruth Mary
 Stripling, Edna Harriette
 Swendiman, Dorothy Della

MASTER OF EDUCATION

Chiverton, William Scott
 Lloyd, Ruth
 McCalley, Charlotte Pattie

Plantinga, Cornelius A.
 Powell, James Dewey

DOCTOR OF PHILOSOPHY

ABRAMOVITCH, BENJAMIN, B.Sc., McGill University.

Dissertation: *Certain Aspects of the Michael, Claisen, and Related Condensations.*

ALDRIDGE, ALFRED OWEN, B.S., Indiana University; A.M., University of Georgia.

Dissertation: *The Sources of Mark Akenside's The Pleasures of Imagination.*

ALLEN, CLARK LEE, A.B., McKendree College; A.M., Washington University.
 Dissertation: *Effects of the Utilization of Synthetic Fibers on the Cotton Textile Industry.*

AYRES, ERLE BINGHAM, B.S., A.M., Boston University.

Dissertation: *An Investigation of Certain Rearrangements and Elimination Reactions.*

BENNETT, JOHN BOYCE, A.B., Wofford College; B.D., Duke University.

Dissertation: *Albert Taylor Bledsoe: Social and Religious Controversialist of the Old South.*

BREWSTER, LAWRENCE FAY, A.B., College of William and Mary; A.M., Columbia University.

Dissertation: *The Summer Migrations and Resorts of South Carolina Low Country Planters.*

CIVIN, PAUL, A.B., University of Buffalo; A.M., Duke University.

Dissertation: *Two-to-One Mappings of Manifolds.*

COLLOMS, LESTER HUBERT, A.B., Emory and Henry College; B.D., Emory University.

Dissertation: *Wilbur Fisk Tillett: Theologian and Educator.*

- DECKER, JOHN PETER, B.S., University of Idaho; A.M., Duke University.
Dissertation: *The Effect of Temperature on Photosynthesis and Respiration in Loblolly and Red Pines.*
- EICHER, CHESTER FRANKLIN, A.B., B.Sc., Ohio State University; B.D., Meadville Theological School; A.M., University of Chicago.
Dissertation: *The Success of North Carolina High School Students in Four North Carolina Colleges.*
- FLANDERS, BERTRAM HOLLAND, A.B., A.M., Emory University.
Dissertation: *Georgia Literary Periodicals to 1865.*
- GARDNER, RALPH AHIGA, A.B., A.M., University of Kentucky.
Dissertation: *A Philosophical Examination of Measurement in Physics.*
- GEORGE, THEODORE SAMUEL, B.S., Grove City College; A.M., Duke University.
Dissertation: *Concerning the Equilibrium Point of the Green's Function for an n-Dimensional Spherical Annulus.*
- HALL, MAURICE BARKER, B.S., M.S., Brigham Young University.
Dissertation: *A Study of the Near Ultra-Violet Absorption Spectra of Phenol and 1, 3, 5-Trichlorobenzene.*
- HARDCASTLE, AARON BASCOM, A.B., A.M., University of Richmond.
Dissertation: *The Genus Eimeria, with Special Reference to the Species Parasitic in Marine Fishes.*
- JEMISON, GEORGE MEREDITH, B.S., University of Idaho; M.F., Yale University.
Dissertation: *The Effect of Basal Wounding by Forest Fires on the Diameter Growth of Some Southern Appalachian Hardwoods.*
- JONES, JAMESON MILLER, A.B., Southwestern; B.D., Louisville Presbyterian Theological Seminary.
Dissertation: *The Problem of Faith and Reason in the Thought of John Calvin.*
- KUEHNER, KENNETH GEORGE, A.B., Allegheny College; A.M., University of Pittsburgh.
Dissertation: *An Experiment in Learning a Foreign Language.*
- MCDUGALL, KENNETH DOUGAL, Duke University.
Dissertation: *Sessile Invertebrates of Beaufort, North Carolina. A Study of Settlement, Growth and Seasonal Fluctuations Among Pile-Dwelling Organisms.*
- MURDOCH, BERNARD CONSTANTINE, B.S., Appalachian State Teachers College; M.Ed., University of Cincinnati.
Dissertation: *Consistency of Test Responses.*
- NEEL, SAMUEL REGESTER, JR., A.B., Emory and Henry College.
Dissertation: *The Reaction of Certain Exponents of American Religious Thought to Darwin's Theory of Evolution.*
- PARKER, ENID RIFNER, A.B., University of Chattanooga; A.B. in L.S., University of North Carolina; A.M., Duke University.
Dissertation: *The Training of Heirs in the Julio-Claudian Family.*
- POOLE, MARY ELIZABETH, A.B., University of Kentucky; A.M., Duke University.
Dissertation: *Gustave Lanson: Theory and Practice of Literary History.*
- RICHARDS, JAMES AUSTIN, JR., A.B., Oberlin College.
Dissertation: *The Energy Distribution in Cosmic Ray Showers.*
- ROBERG, JANE, B.Sc., University of Washington; A.M., Duke University.
Dissertation: *The Lateral Spread of Cosmic Ray Showers.*
- ROBERTS, LUCIEN EMERSON, A.B., A.M., University of Georgia.
Dissertation: *The Egyptian Question in European Diplomacy, 1875-1887.*
- SARETT, HERBERT PAUL, A.B., Brooklyn College; M.S., Cornell University.
Dissertation: *The Metabolism of Nicotinic Acid in Man and Dog.*

- SEIGLER, MILLEDGE BROADUS, A.B., Furman University; A.M., Duke University.
Dissertation: *Milton's Prosody*.
- SKELL, PHILIP SOLOMON, B.S., College of the City of New York; A.M., Columbia University.
Dissertation: *A. Mechanism of Elimination Reactions Effected by Bases. B. Reactions of Neopentyl Systems with Electrophilic Reagents*.
- STARLING, JAMES HOLT, A.B., A.M., University of Alabama.
Dissertation: *Ecological and Taxonomic Studies of the Paupoda of the Duke Forest*.
- STROUPE, HENRY SMITH, B.S., A.M., Wake Forest College.
Dissertation: *The Religious Press in the South Atlantic States, 1802-1865*.
- STURM, ALBERT LEE, JR., A.B., Hampden-Sydney College; A.M., Duke University.
Dissertation: *Presidential Powers and National Emergency, 1933-1941*.
- WATTS, DANIEL THOMAS, A.B., Elon College.
Dissertation: *Mechanisms of External Respiration in Certain Insects*.
- WOOD, FREDERIC MARCUS, JR., A.B., Western Reserve University; A.M., Duke University.
Dissertation: *Some Imperial Virtues of Domitian*.

ADVANCED DEGREES AWARDED IN SEPTEMBER, 1941

MASTER OF ARTS

- | | |
|--------------------------------|-----------------------------------|
| Anderson, St. Claire | James, Ruth Olive |
| Bailey, Rosalie Vincent | Johnson, Oscar Floyd |
| Barbot, Mary Elizabeth | Johnston, Nina Louise |
| Barnes, William Speight | Joiner, Sarah Benton |
| Becker, Henry Judson | Kelly, Philip Thomas, Jr. |
| Bloom, Robert Louis | Kessell, Harry Rayburn |
| Bondurant, Agnes Meredith | King, John Talbert |
| Boone, William Riley Prichard | King, Sallie Rebecca |
| Brown, Margaret Louise | Kline, Irene Tabitha |
| Buckwalter, Kathryn Mary | Knape, Arthur John |
| Burton, Anne Seixas MacGlashan | Leach, James Michael |
| Cardwell, Raymond Elbert | Lipscomb, Arthur McLaurine, Jr. |
| Carlson, Lillian Elsie | Lord, Charles Amon |
| Carpenter, Alta Buane | Lynn, William Louis, Jr. |
| Carruthers, Emily Lee | McCrary, Otho Elmer |
| Dedmon, Robert Owens | McFadyen, Alvan Robbins |
| Dew, Joanna | McGee, Charles McKay, Jr. |
| Doyle, Meryl Daniel | McLeod, Samma Helen |
| Durden, George Douglas | Meserve, Bruce Elwyn |
| Elder, Frances Ruth | Michael, Chloe |
| Ellerbe, Isla Ramoth | Morehead, Mildred Lillian |
| Evans, Beverly Daniel, IV | O'Neal, Alice Burriss |
| Fruth, Jacob Richard | Page, Inez Harlee |
| Gaither, Nenita Theresa | Peale, Marjorie Elizabeth |
| Goodwin, Norvelle Winston | Pew, Shelba Glenn |
| Greenberg, Irving Melbourne | Phipps, William Preston |
| Griffin, Joseph Earle | Pittman, Frances Elizabeth Harris |
| Guinn, Mary Frances | Purcell, Ralph Elliott |
| Hill, Martha Frances | Quartermann, Elsie |
| Holley, Daniel Lester | Rea, Katharine |
| Holmes, Marjorie Moran | Robinson, Woodrow Thomas |
| Houck, Thomas Hamlin | Rohrbaugh, Daniel Woodrow |
| Hubbard, Thelma | Rubin, Herbert Bernard |
| Hudson, Donald Burnard | Ruff, Hazel Shelton |
| Irvin, Ruth McElhaney | Sandlin, Hiram Walter |

Sisk, Josephine Courtney
 Snow, Annabel Kelsey
 Sparks, Marye Remelle
 Taylor, Ellis Bruce
 Thompson, Clarence Edward
 Thompson, Ethel Mae

Trewhitt, Katharine Alice Lowrey
 Villaume, John Charles
 Walsh, Anastasia
 Walsh, Mary Katherine
 Wilcox, Kathryn Johnson

MASTER OF EDUCATION

Armstrong, Leo Henry
 Barr, Orville Asbury
 Beery, Lena Grace
 Blackburn, Edward Bernard
 Brown, Gilbert Elgar
 Carr, Heyward Alexander
 Carson, Louise Geddings
 Curry, Wayne Burbage, Jr.
 Davis, Mary Eloise
 Dickinson, Vivian June Sansom
 Dotson, Eva Louise
 Dunbar, Alonzo Burdell
 Edwards, Samuel Reese
 Fisher, James Washington
 Funkhouser, Joseph Alfred
 Gamble, Nina Cusick
 Garrett, Denzel Raymond
 Garrett, Harold Ray
 Goldsworthy, James William
 Greene, James Oscar
 Hale, Nancy Adelaide
 Hendry, Harry Frierson, Sr.
 Hildebrand, Abbie Seals
 Hodges, Julius Barney
 Hood, William Clayton
 House, Helen Willis
 Howard, Lottie Ruth
 Johnson, Carl Lennart
 Knoll, Dorothy Bard

Kochman, Philip
 Lashure, Melvin Murray
 Lewis, Charles Leroy
 McCarley, Mary Francis
 Miller, Cecil Lee
 Milliren, Charles Max
 Morris, Woodrow Wilson
 Ordonez, Ella Jones
 Pafford, Julian Aubrey
 Rankin, Charles Elmer
 Rigg, Ann Evangeline
 Robertson, Eleanor Virginia
 Sassaman, Erie Ansel
 Savery, Rosalie Kincannon
 Simms, Sarah Thelma
 Simonds, Gardner William
 Slusser, Glenn Albert
 Smith, Charles Edgar
 Snuggs, Robert Marvin, Jr.
 Spencer, Alden Alva
 Strom, Samuel Thaddeus
 Stroude, Alice Pauline
 Togneri, Lila C.
 Tyer, Lena Mae
 Umstot, Lena Mabel
 Ware, James Edgar
 Willis, Mary Frances
 Wilson, Frances Louise
 Wright, Audrey Adele

SUMMARY OF ENROLLMENT IN THE GRADUATE SCHOOL

Graduate students, Academic Year 1942-43.....	171
Graduate students, First Summer Term, 1942.....	329
Graduate students, Second Summer Term, 1942.....	237
<i>Total</i>	<i>737</i>
Deduct for duplications.....	223
<i>Total Enrollment</i>	<i>514</i>



VOLUME 15

June, 1943

NUMBER 8

BULLETIN OF DUKE UNIVERSITY

Catalogue Number



1942-1943

ANNOUNCEMENTS FOR 1943-1944

PUBLISHED BY THE UNIVERSITY
DURHAM, NORTH CAROLINA

ANNUAL BULLETINS

For GENERAL BULLETIN of Duke University, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF UNDERGRADUATE INSTRUCTION, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES, apply to *The Dean of the Graduate School*, Duke University, Durham, N. C.

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For BULLETIN OF THE COLLEGE OF ENGINEERING, apply to *The Secretary*, Duke University, Durham, N. C.

For BULLETIN OF THE SUMMER SESSION, apply to *The Director of the Summer Session*, Duke University, Durham, N. C.

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BULLETIN
OF
DUKE UNIVERSITY



CATALOGUE NUMBER

1942-1943

ANNOUNCEMENTS FOR 1943-1944

DURHAM, NORTH CAROLINA

1943

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UNIVERSITY CALENDAR

TRINITY COLLEGE AND THE COLLEGE OF ENGINEERING

1943

- July 1 Thursday—Trainees and civilians report.
July 1 Thursday, 8:30 P.M.—Assemblies for civilian students, one for Upperclassmen and one for Freshmen.
July 2-3 Friday, Saturday—Freshman Orientation Program; registration of Upperclassmen.
July 5 Monday—Registration of Freshmen.
July 6 Tuesday, 8:00 A.M.—Instruction begins.
Oct. 18 Monday—Examinations begin.
Oct. 23 Saturday—Examinations end.
Oct. 24-25 Sunday, Monday—Fall Commencement.
Nov. 1 Monday—Second semester begins.
Dec. 11 Saturday—Duke University Day.
Dec. 25 Saturday—Christmas Day: a holiday.

1944

- March 1 Wednesday—Third semester begins.

THE WOMAN'S COLLEGE

1943

- Sept. 9 Thursday, 9:00 A.M.—Dormitories open to Freshmen.
Sept. 9 Thursday, 8:00 P.M.—Assembly for all entering Freshmen; Freshman Orientation Program begins.
Sept. 14 Tuesday—Registration and matriculation of new students with advanced standing.
Sept. 15 Wednesday—Freshman instruction begins.
Sept. 15-16 Wednesday, Thursday—Registration of former students.
Sept. 16 Thursday, 11:00 A.M.—Formal opening of the college.
Sept. 17 Friday—Instruction for Sophomores, Juniors and Seniors begins.
Nov. 25 Thursday—Thanksgiving Day: a holiday.
Dec. 11 Saturday—Duke University Day.
Dec. 21 Tuesday, 1:00 P.M.—Christmas recess begins.

1944

- Jan. 5 Wednesday, 1:00 P.M.—Instruction is resumed.
Jan. 21 Friday—Mid-year examinations begin.
Jan. 29 Saturday—Last day for matriculation for second semester.
Jan. 31 Monday—Second semester begins.
May 5 Friday—Last day for the selection of courses for the ensuing year.
May 17 Wednesday—Final examinations, second semester, begin.
May 25 Thursday—Final examinations, second semester, end.
May 27 Saturday—Commencement Day.

THE GRADUATE AND PROFESSIONAL SCHOOLS, AND THE SUMMER SESSION*

1943	
June	1 Tuesday—Opening of the summer semester of the School of Law.
June	5 Saturday—Opening of the summer quarter of the Schools of Medicine and Nursing.
June	8 Tuesday, 9:00 A.M.—Registration of students for Summer Session, first term.
June	9 Wednesday, 8:00 A.M.—Instruction begins for Summer Session, first term.
July	5 Monday—A holiday celebrating Independence Day.
July	17, 19 Saturday, Monday—Final examinations for Summer Session, first term.
July	20 Tuesday, 2:00 P.M.—Instruction begins for Summer Session, second term.
Aug.	27-28 Friday, Saturday—Final examinations for Summer Session, second term.
Sept.	11 Saturday—End of summer semester of School of Law.
Sept.	16 Thursday, 11:00 A.M.—Opening of Graduate School.
Sept.	16-18 Thursday, 9:15 A.M.-11:00 A.M., 2:30 P.M.-4:30 P.M.; Friday, 9:15 A.M.-12:45 P.M., 2:30 P.M.-4:30 P.M.; Saturday, 9:15 A.M.-12:45 P.M.—Registration of graduate students for first semester.
Sept.	17 Friday—Instruction for graduate students begins.
Sept.	17 Friday, 4:00 P.M.—First regular Faculty meeting, Divinity School.
Sept.	18 Saturday—Matriculation and registration of students in the Divinity School.
Sept.	20 Monday, 8:00 A.M.—Instruction in the Divinity School begins.
Sept.	20 Monday, 10:30 A.M.—Formal opening exercises of the Divinity School.
Sept.	24 Friday—End of summer quarter of Schools of Medicine and Nursing.
Sept.	27 Monday—Opening of the fall semester of the School of Law.
Sept.	27 Monday—Opening of the autumn quarter of the Schools of Medicine and Nursing.
Oct.	5 Tuesday—Last day for submitting subjects for B.D. theses.
Oct.	15 Friday—Last day for submitting thesis subjects for the degree of Doctor of Philosophy.
Nov.	1-6 French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before October 26.
Nov.	8-13 German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before November 2.
Nov.	15 Monday—Last day for submitting thesis subjects for the degrees of Master of Arts and Master of Education.
Nov.	25 Thursday—Thanksgiving Day.
Dec.	11 Saturday—Duke University Day.
Dec.	18 Saturday, 1:00 P.M.—Christmas recess begins for the Divinity School.

* The School of Forestry is on the same schedule as Trinity College and the College of Engineering.

- Dec. 20 Monday—End of the autumn quarter of the Schools of Medicine and Nursing.
- Dec. 21 Tuesday, 1:00 P.M.—Christmas recess begins for the Graduate School.
- Dec. 28 Tuesday, 1:00 P.M.—Instruction is resumed for the Divinity School.
- 1944
- Jan. 3 Monday—Opening of the winter quarter of the Schools of Medicine and Nursing.
- Jan. 5 Wednesday, 1:00 P.M.—Instruction is resumed for Graduate School.
- Jan. 11-20 Reading period for the Graduate School.
- Jan. 15 Saturday—Mid-year examinations for the Divinity School begin.
- Jan. 19-20 Wednesday, Thursday, 9:15 A.M.-12:45 P.M.; 2:30 P.M.-4:30 P.M.—Registration of graduate students for second semester.
- Jan. 21 Friday—Mid-year examinations for the Graduate School begin.
- Jan. 22 Saturday—Matriculation and registration for second semester for the Divinity School.
- Jan. 22 Saturday—End of the fall semester of the School of Law.
- Jan. 24 Monday—Second semester for the Divinity School begins.
- Jan. 24 Monday—Opening of the spring semester of the School of Law.
- Jan. 31 Monday—Second semester for the Graduate School begins.
- March 1 Wednesday—Last day for applying for University fellowships, graduate assistantships, and graduate scholarships.
- March 6-11 French examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before February 29.
- March 13-18 German examinations for candidates for graduate degrees. Candidates register in the Graduate Office for these examinations before March 6.
- March 26 Sunday—End of the winter quarter of the Schools of Medicine and Nursing.
- March 31 Friday—Opening of the spring quarter of the Schools of Medicine and Nursing.
- April 1 Students who expect to receive an advanced degree in May should notify the Graduate Office to that effect.
- April 15 Saturday—Last day for submitting theses for degree of Doctor of Philosophy. Theses must be filed by 12:30 P.M.
- April 26-May 10 Reading period. Instruction is resumed May 11, Thursday, 8:00 A.M.
- May 1 Monday—Last day for submitting theses for degrees of Master of Arts and Master of Education.
- May 3 Wednesday—Last day for submitting B.D. theses.
- May 10 Wednesday—Final examinations begin.
- May 13 Saturday—End of the spring semester of the School of Law.
- May 17 Wednesday—Final examinations, second semester, begin for the Graduate School.
- May 20 Saturday—Commencement Day, the Divinity School.
- May 25 Thursday—Final examinations, second semester, end for the Graduate School.
- May 27 Saturday—Commencement Day.
- June 22 Thursday—End of the spring quarter of the Schools of Medicine and Nursing.

1943

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1944

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DUKE UNIVERSITY'S WARTIME PROGRAM

Before the United States entered the present world conflict, the Board of Trustees of the University in annual session adopted a resolution placing its facilities at the use of the government as needed in connection with the defense program. A committee was named, headed by the late Daniel C. Roper, former Secretary of Commerce in President Roosevelt's cabinet and a member of the Board, to convey this offer to the President and other officials of the government.

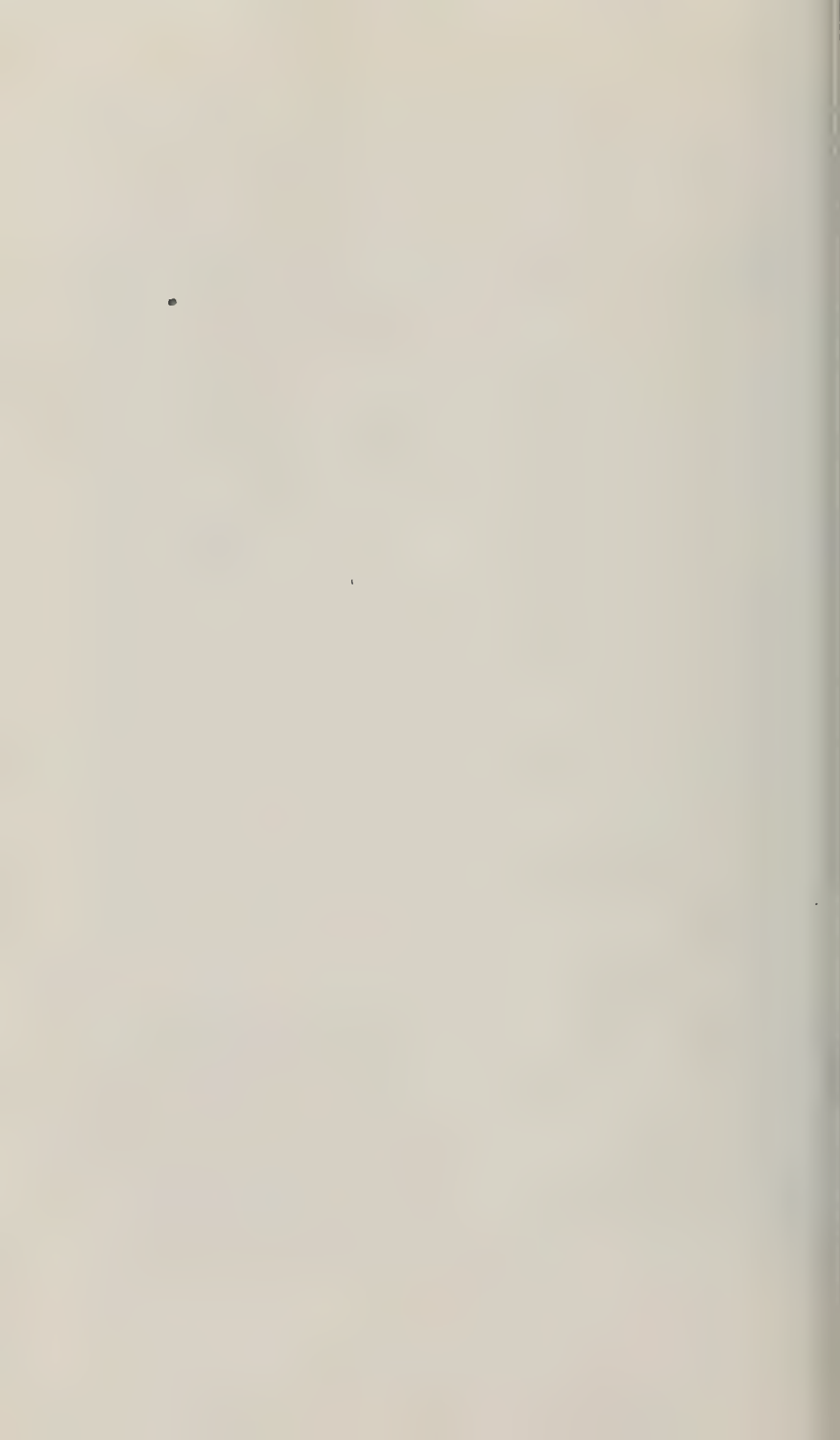
A little later, by using the Summer Session, the Faculty put into effect an accelerated program of studies making possible the graduation of students in three years. A compulsory three-years twelve-months program for students in the School of Medicine was made effective; graduation from the School of Law in two years and two summer sessions was made possible; spring holidays in all departments of the University were abolished, and examination and Commencement periods were shortened.

The Naval R.O.T.C., training students for commissions in the United States Navy, was opened at the beginning of the 1941-42 academic year, and later enlarged. In August, 1942, the Army Finance School, to train officers for the finance division of the Army, was located at Duke. In July, 1943, the Army Fiscal School, to operate as a part of the Army Finance School, was inaugurated.

The Navy College Training Program was inaugurated at Duke on July 1, 1943. This embraces, in addition to the N.R.O.T.C., the following: V-12 Basic Program, V-12 Engineers Program, V-12 Pre-Medical Program, V-12 Special Training for Medical Students, V-12 Training Program for Marine Corps, V-12 Training Program for Coast Guard, H(V)P Medical Training Program.

The Army Training Programs include the following: Finance Officer School, Finance Officer Candidate School, Army Fiscal School, Army Specialized Training Program in Medicine, Clinical Laboratory Course for Army Medical Doctors.

For several years the Civil Pilot Training Program, including both elementary and secondary courses, has trained Naval Air Corps cadets; special defense courses for undergraduates in technical drawing, mathematics of gunfire, electronics, cartography and other courses have been given. Short intensive ESMWT courses have been offered in co-operation with the United States Commissioner of Education; research in defense problems has been carried on at the University voluntarily and by contract with federal agencies; more than one hundred members of the faculty and administrative staff have been called to Washington and other points for essential work in connection with the war effort; the Woman's College has carried on a definite program of war activities.



HISTORY

Duke University owes its existence to a charitable trust set up by James B. Duke by an Indenture dated December 11, 1924, and known as the Duke Endowment; to gifts made by him to the University in the succeeding year; and to bequests that came through his will at his death, October 10, 1925. It is built around Trinity College which was brought to Durham and maintained there largely through the generosity of the Duke family.

Trinity College in its origins goes back to 1838. In that year the citizens of a rural community in the northwest section of Randolph County, North Carolina, established a school with Rev. Brantley York as principal. In 1839 this school was enlarged and named Union Institute. In 1841 it was incorporated by the following enactment of the Legislature of North Carolina:

*An Act to Incorporate Union Institute Academy.**

Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That Nathan Hunt, Joseph Mendenhall, Joseph Johnson, Lewis Leach, Jabez Leach, Martin W. Leach, and Ahi Robbins, and their successors, are hereby constituted a body corporate and politic to be known and distinguished by the name and style of the Trustees of the Union Institute Academy, and by that name shall have succession, and shall be able and capable in law to have, receive and possess, lands and tenements, goods and chattels, acquired by gift or otherwise, and use and apply the same according to the will of the donor, or dispose of the same when not forbidden by the terms of the gift. They may sue and be sued, plead and be impleaded in any Court of Justice, and shall have power to fill vacancies in their body, which may occur by death, resignation, or otherwise, establish such laws and regulations for the government of said Institution as they may deem necessary, not inconsistent with the laws of this State, and do and perform all such acts and things as are incident to, and usually exercised for, bodies politic, for the accomplishments of the object contemplated.

Ratified the 12th day of January, 1841.

In the year 1842 Braxton Craven became principal of the school. The growth and development of the school caused the Trustees to plan to put it in direct relation to the educational needs of the public schools of the State. Application was made to the Legislature of North Carolina for a new charter, and on January 28, 1851, Union Institute Academy was incorporated as Normal College by the following enactment:

An Act to Incorporate Union Institute, in Randolph County, a Normal College;†

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That the present Trustees of Union Institute, to-wit: M. W. Leach, Ahi Robbins, Joseph Johnson, James Leach, and C. M. Hines; together with Rev. B. Craven, of said Institute; Hon. A. H. Sheppard, of Salem; John A. Gilmer, Esq., of Greensboro; Col. Samuel Hargrave, of Lexington; J. L. Blackmer, Esq., of Salisbury; Rev. S. A. Andrews, of Greensboro; Dr. S. G. Coffin, of Jamestown; H. B. Elliott, Esq., of Randolph; J. W. Thomas, Esq., of Davidson; John B. Troy, of Randolph; J. P. H. Russ, of Randolph; Eli Russell, of Montgomery, and Gen. J. M. Leach, of Lexington; and their successors be, and they are hereby declared, a body politic and corporate, to be known and distinguished by the name and style of the Normal College, and by that name shall have a perpetual succession, and a common seal, and be able and capable in law, of holding lands, tenements and chattels, sufficient for the uses and purposes of said College, and of suing and being sued, and of pleading and being impleaded.

Sec. 2. Be it further enacted, That said Trustees shall have the power to fix the time of holding the annual and other meetings, and to prescribe the manner in which vacancies in their body may be filled, five Trustees being a quorum to do business.

* Laws of North Carolina, 1840-1843.

† Laws of 1850-1851, chapter 20, page 56.

SEC. 3. Be it further enacted, That the said College shall be under the supervision, management and government of a President and such other persons as said Trustees may appoint; the said President, with the advice of the other persons so appointed, shall from time to time make all needful rules and regulations for the internal government of said College, and fix the number and compensations of teachers to be employed therein, to prescribe the preliminary examinations and the terms and conditions on which pupils shall be received and instructed, and the number of pupils to be received from the respective counties.

SEC. 4. Be it further enacted, That said Trustees shall have power to make such rules, regulations and bylaws, not inconsistent with the Constitution of the United States and of this State as may be necessary for the good government of said College, and the management of the property and funds of the same.

SEC. 5. Be it further enacted, That when any pupil shall have sustained a satisfactory examination on the studies, or course of studies, prescribed by the Faculty and Trustees of said College, such person shall be deemed qualified to teach common schools and may receive a certificate, signed by the President and at least seven Trustees, which certificate shall be sufficient evidence of ability to teach in any of the common schools in this State, without any reexamination of the county committees; and where county certificates are now required before paying out the public funds, the certificate of the Normal College shall answer in lieu thereof.

SEC. 6. Be it further enacted, That the whole College course shall be divided into four classes or degrees, styled first, second, third and fourth, and students shall be ranked accordingly.

SEC. 7. Be it further enacted, That all pupils entering said College shall first sign a declaration, in a book to be kept by the President for that purpose as follows: "We, the subscribers, hereby declare that it is our intention to devote ourselves to the business of teaching common schools in the State of North Carolina, and that our sole object in resorting to this Normal College is the better to prepare ourselves for that important duty," which declaration it shall be the duty of the President to explain to the pupils before they sign the same.

Ratified 28th January, 1851.

On November 21, 1852, the Legislature ratified amendments to the charter of 1851 including changes and additions as follows:

*An Act to Amend an Act, Entitled "An Act to Incorporate Union Institute, in Randolph County, Normal College":**

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That J. C. Dobbin, John A. Gilmer, W. H. Washington, A. H. Sheppard, H. B. Elliott, J. M. Leach, Joseph Johnson, S. G. Coffin, A. S. Andrews, Joseph B. Cherry, N. W. Woodfin, B. Craven, James Leach, Calvin Graves, Ahi Robbins, John B. Troy, Robert Strange, John W. Thomas, Samuel Hargrave, J. P. H. Russ, M. W. Leach, W. L. Steele, R. M. Saunders, W. B. Lane, G. W. Caldwell, C. H. Wiley, Jabez Leach, John A. Lillington, J. T. Morehead, Thales McDonald, R. C. Puryear, S. P. Hill, Alexander Gray, James M. Garrett, and Edward Ogburn and their successors be, and they are hereby declared, a body politic and corporate to be known and distinguished by the name and style of "The Trustees of Normal College," and by that name and style shall have a perpetual succession and a common seal, and be able and capable in law of holding lands, tenements and chattels for the uses and purposes of said College; and of suing and being sued, and of pleading and being impleaded.

SEC. 2. Be it further enacted, That the Governor of the State shall be *ex-officio* President of the Board of Trustees, and that the common school superintendent, should such an officer exist, shall be *ex-officio* Secretary of the Board, and that all vacancies in the Board shall be filled by a majority of the Trustees of said College.

SEC. 3. Be it further enacted, That the Trustees shall have power of appointing an Executive Committee, to consist of seven members which committee shall control the internal regulations of said College, and fix all salaries and emoluments, and of doing all other things necessary for an institution of learning not inconsistent with the laws of this State and of the United States.

SEC. 4. . . . They shall also have the power to grant such degrees and marks of honor as are given by Colleges and Universities generally.

SEC. 5. Be it further enacted, That the Secretary of the Board of Trustees shall, within ten days after the meeting of each [Legislature] make a full report of the condition and operations of said Normal College, and the general character of Normal instruction; also, the condition and progress of Normal schools generally, together with all other information deemed important in the education of teachers, giving also the names and residences of all who have been authorized to teach.

SEC. 6. Be it further enacted, That the President and Directors of the literary fund are hereby directed to loan to the Trustees of Normal College, the sum of ten thousand dollars out of any moneys not otherwise appropriated, at six per cent interest, to be paid semiannually, upon said Trustees giving bond and good security for the same.

Under the amended charter authorizing the institution to confer degrees, two students were graduated on July 28, 1853, with the degree of Bachelor of Arts.

* Laws of 1852-1853, chapter 88, page 161.

In the year 1853-1854 a larger building was erected by means of money lent by the State of North Carolina under the authority granted in the amended charter. In November, 1856, the Trustees of Normal College authorized President Craven to propose to the North Carolina Conference of the Methodist Episcopal Church, South, that the institution be placed under the ownership and control of that body. The Conference passed the following resolution:

1. That the Conference authorize and request the Board of Trustees of Normal College to raise by donations twenty thousand dollars.
2. That all lands and property belonging to the College be conveyed to the Board of Trustees in trust for the North Carolina Conference.
3. That the Conference fill all vacancies in the Board.
4. That the Conference appoint a visiting committee, which committee shall have equal power with the Board as to the internal regulations and operations of the College.

Within the following two years the Trustees arranged to meet all the conditions stipulated. The North Carolina Conference of the Methodist Episcopal Church, South, in consequence, became invested with the complete ownership and control of the College.

On February 16, 1859, the charter was amended and the name of the institution changed to Trinity College by the following enactment of the Legislature of North Carolina:

*An Act to Amend the Charter of Normal College.**

SECTION 1. Be it enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the authority of the same, That the corporation established by an act passed in 1852, and known by the style and title of the "Trustees of Normal College," be and the same is hereby changed to Trinity College; and said corporation shall henceforth, by the name and style of Trinity College, hold and use all the authority, privileges, possessions and liabilities it had under the former title and name.

SEC. 2. Be it further enacted, That the estate, real and personal, received and controlled by the Trustees of Trinity College, shall be for the uses and purposes of a literary institution for the North Carolina Conference of the Methodist Episcopal Church, South.

SEC. 3. Be it further enacted, That all vacancies in the Board of Trustees shall be filled by said North Carolina Conference: *Provided, however,* That no person shall be elected a Trustee till he has first been recommended by a majority of the Trustees present at a regular meeting; and the Trustees shall have power to remove any member of their body who may remove beyond the boundaries of the State, or who may refuse or neglect to discharge the duties of a Trustee.

SEC. 4. Be it further enacted, That the Faculty and Trustees shall have the power of conferring such degrees and marks of honor as are conferred by colleges and universities generally; and that five Trustees shall be a quorum to transact business.

SEC. 5. Be it further enacted, That no person shall keep, maintain, or have at Trinity College, or within two miles thereof, any tippling-house establishment, or place for the sale of wine, cordials, spirituous or malt liquors; nor shall any person in the State, without a written permission from the Faculty, sell, or offer to sell, give or deliver to any student of Trinity College, or to any other person, any wine, cordials, spirituous or malt liquors for the purpose of being used or with a knowledge that the same will be used at said College, or within two miles thereof, by any student.

SEC. 6. Be it further enacted, That no person shall set up, keep or maintain at Trinity College, (or) within two miles thereof, any public billiard table, or other table, of any kind at which games of chance or skill, by whatever name called, may be played; and that no person, without written permission from the Faculty, shall within the same limits exhibit any theatrical, sleight-of-hand, natural or artificial curiosities, or any concert, serenade, or performance in music, singing or dancing.

SEC. 7. Be it further enacted, That sections second, fourth and fifth of the charter passed in 1852, are hereby repealed, and that all acts and laws coming within the meaning and purview of this present act are hereby repealed.

During the Civil War the College shared the common fate of Southern colleges. President Craven resigned in 1863, and Professor William T. Ganaway was elected his successor. In October, 1865, Dr. Craven was re-elected to the presidency; however, the work of the College, which had been suspended in April of that year, was not resumed till January, 1866. Dr. Craven remained president of the College till his death, November 7, 1882. Professor William Howell Pegram was then elected chairman of the Faculty. He served till the close of the academic year, June, 1883.

The Reverend Marquis L. Wood was elected president in 1883; he resigned in December, 1884, when Professor John F. Heitman was elected chairman

* Laws of 1858-1859, chapter 85, page 81.

of the Faculty. John Franklin Crowell was chosen president of the College in April, 1887.

President Crowell conceived the idea of enlarging the scope of college work and of removing Trinity College to a city. The Board of Trustees on May 7, 1889, passed the following resolutions:

Resolved (1). That after mature and prayerful consideration, we believe it best for the interest of Methodism in North Carolina, and the cause of God, to move Trinity College to some prominent center within this State: *Provided*, There shall be tendered to this Board a proper guarantee of a suitable site, with buildings on it, of at least equal value, and as well suited for the uses of the College as those on the present site.

Resolved (2). That a committee of five be appointed to carry out the true intent of the above resolution, and report to the next annual meeting of the Board of Trustees.

At a meeting of the Trustees held in Greensboro, North Carolina, November 30, 1889, the following resolutions were adopted:

Resolved (1). That the Board of Trustees of Trinity College accept the offer of the citizens of Raleigh to erect a college building on the site designated, said building to be according to the plans and specifications mentioned in their offer.

Resolved (2). That we recommend the N. C. Annual Conference of the M. E. Church, South, to authorize the removal of Trinity College in accordance with the above and former resolutions passed by this Board.

Resolved (3). That the grounds and buildings now owned and used at Trinity College be held by the same Board of Trustees to be used as an academical department to prepare students for the college classes.

In accordance with these resolutions, through President Crowell, the Conference was asked at its session in Greensboro, December, 1889, to grant permission to remove the College to the City of Raleigh. The Conference took the following action:

Resolved, That the Board of Trustees of Trinity College be and is hereby authorized and directed to move Trinity College to the City of Raleigh, when the citizens of said city shall have erected on the site designated and known as the Boylan lot, the building proposed and agreed to be built by them *Provided*, That before said college is moved, as aforesaid, there shall be made, executed and delivered to said Trustees a good and sufficient deed in fee simple with proper covenants of warranty and seizin, conveying the lot and site designated to said Trustees and their successors in office, for the use and benefit of the North Carolina Conference, Methodist Episcopal Church, South, as it now exists, and for the use and the benefit of such Conferences, as may be hereafter created by the Methodist Episcopal Church, South, out of any territory within the State of North Carolina.

Some time after this action of the Conference, Washington Duke and other citizens of Durham, North Carolina, made a proposition to the Trustees to locate the College in Durham, and this proposition was accepted. On January 21, 1891, the Legislature of North Carolina issued the following charter:

An Act to Amend the Charter of Trinity College:

The General Assembly of North Carolina do enact:

SECTION 1. That the Trustees of Trinity College are authorized and empowered to remove the operations and exercises of said College, and to locate the buildings deemed necessary by them for the purpose of the College, at or near the town of Durham, North Carolina. They may, if they so elect, establish and maintain in connection with said College institutions of primary and intermediate education at the present site of the College in Randolph County, and at such other points as they may now or hereafter determine, for the purpose of preparing students for admission to a collegiate course. The management of such auxiliary and subordinate high schools and academies shall be vested in the said Board of Trustees, who are authorized to make by-laws and regulations for them, as well as for the College proper.

SEC. 2. That the Trustees of Trinity College are authorized to receive and hold by gift, devise or purchase, property, real and personal, to be held for the use of said College and its dependent schools or for the use of either or both (as may be designated in the conveyance or will), (to a value not exceeding in the aggregate sum three millions of dollars).

SEC. 3. That the Trustees shall be thirty-six in number, of whom twelve shall be elected by the North Carolina Conference of M. E. Church, South, twelve by the W. N. C. Conference of said church, and twelve by graduates of said College. The term of office of Trustees shall be six years, and they shall be so arranged that four Trustees shall be elected by each Conference and four by the graduates every two years. The Trustees shall regulate by by-laws the manner of election of the Trustees to be chosen by the graduates. Should there exist a vacancy by death, resignation, or otherwise, of any Trustee, the same shall be filled for the unexpired term by the Board of Trustees. The terms of the Trustees now in office shall expire January first, one thousand eight hundred and ninety-two. At the first election held under this amendment to the Charter, the body of grad-

uates and each of the Conferences shall respectively elect four Trustees for the term of two years; in like manner each of said constituencies shall elect four Trustees for the term of four years, and in like manner each shall elect four Trustees for the term of six years.

In September, 1892, the College opened its first session in the new plant located at Durham. In May, 1894, President Crowell resigned, and on August 1, 1894, the Reverend John C. Kilgo was elected his successor. In May, 1897, the Trustees authorized the admission of women as students to all departments of the College.

On account of the fact that the fundamental laws under which the College was managed were contained in an original charter and in several amendments, it was deemed best by the Board of Trustees, in June, 1902, to appoint a committee to make an application to the Legislature for a new charter, which should unify and harmonize the provisions of the existing legislation. On February 28, 1903, the Legislature of North Carolina granted the new charter which is identical with the charter as found on pages 17-18, except that the corporate name of the institution is changed to Duke University and the corporation is given perpetual existence, an amendment enacted by the General Assembly of North Carolina, January 19, 1911, having already stricken out the limitations set in former charters to the amount of property the College might hold.

Having been elected a bishop of the Methodist Episcopal Church, South, President Kilgo resigned in June, 1910. William Preston Few was elected to succeed him and was formally inaugurated November 9, 1910.

On December 29, 1924, the Board of Trustees of Trinity College met to consider the Indenture of Trust executed by James B. Duke, December 11, 1924. The Board voted unanimously to accept the provisions of the Indenture in so far as it affected Duke University, and authorized the necessary steps to be taken whereby, on December 30, 1924, a charter for the University was granted. The charter follows closely that of Trinity College and is printed on pages 15-16.

President Few died October 16, 1940. Dr. R. L. Flowers was elected President January 29, 1941.

Duke University is approved by the recognized accrediting agencies in the field of university education and is a member of various associations devoted to the interests of such education. Among those in which it holds membership are the Association of American Universities, the Southern Association of Colleges and Secondary Schools, the American Association of Colleges, the Southern University Conference, the American Association of Law Schools, the Association of American Medical Colleges, the American Association of Theological Schools, and others.

GOVERNMENT

1. THE INDENTURE OF TRUST BY WHICH THE UNIVERSITY WAS CREATED

Among the provisions of James B. Duke's indenture of trust was an educational institution to be known as Duke University, in respect to which the Indenture contains the following provisions, and these provisions apply also to gifts made by him the year before he died and to bequests that came to the University at his death or that have come since:

I. (In Article FOURTH) The Trustees hereunder are hereby authorized and directed to expend as soon as reasonably may be not exceeding Six Million Dollars of the corpus of this trust in establishing at a location to be selected by them within the State of North Carolina an institution of learning to be known as Duke University, for such purpose to acquire such lands and erect and equip thereon such buildings according to such plans as the Trustees may in their judgment deem necessary and adopt and approve for the purpose, to cause to be formed under the laws of such state as the Trustees may select for the purpose a corporation adequately empowered to own and operate such properties under the name of Duke University as an institution of learning according to the true intent hereof, and to convey to such corporation when formed the said lands, buildings and equipment upon such terms and conditions as that such corporation may use the same only for such purposes of such university and upon the same ceasing to be so used then the same shall forthwith revert and belong to the Trustees of this trust as and become a part of the corpus of this trust for all of the purposes thereof.

However, should the name of Trinity College, located at Durham, North Carolina, a body politic and incorporate, within three months from the date hereof (or such further time as the Trustees hereof may allow) be changed to Duke University, then, in lieu of the foregoing provisions of this division "FOURTH" of this Indenture, as a memorial to his father, Washington Duke, who spent his life in Durham and whose gifts, together with those of Benjamin N. Duke, the brother of the party of the first part, and of other members of the Duke family, have so largely contributed toward making possible Trinity College at that place, he directs that the Trustees shall expend of the corpus of this trust as soon as reasonably may be a sum not exceeding Six Million Dollars in expanding and extending said University, acquiring and improving such lands, and erecting, removing, remodeling and equipping such buildings, according to such plans, as the Trustees may adopt and approve for such purpose to the end that said Duke University may eventually include Trinity College as its undergraduate department for men, a School of Religious Training, a School for Training Teachers, a School of Chemistry, a Law School, a Co-ordinate College for Women, a School of Business Administration, a Graduate School of Arts and Sciences, a Medical School and an Engineering School, as and when funds are available.

II. (In Article FIFTH) Thirty-two per cent of said net amount not retained as aforesaid for addition to the corpus of this trust shall be paid to that Duke University for which expenditures of the corpus of the trust shall have been made by the Trustees under the "Fourth" division of this Indenture so long as its name shall be Duke University and it shall not be operated for private gain, to be utilized by its Board of Trustees in defraying its administration and operating expenses, increasing and improving its facilities

and equipment, the erection and enlargement of buildings and the acquisition of additional acreage for it, adding to its endowment or in such other manner for it as the Board of Trustees of said institution may from time to time deem to be of its best interests, provided that in case such institution shall incur any expense or liability beyond provision already in sight to meet same, or in the judgment of the Trustees under this Indenture be not operated in a manner calculated to achieve the results intended hereby the Trustees under this Indenture may withhold the whole or any part of such percentage from said institution so long as such character of expense or liabilities or operation shall continue, such amounts so withheld to be in whole or in part either accumulated and applied to the purposes of such University in any future year or years, or utilized for the other objects of this Indenture, or added to the corpus of this trust for the purpose of increasing the principal of the trust estate, as the Trustees may determine.

III. (In Article SEVENTH) I have selected Duke University as one of the principal objects of this trust because I recognize that education, when conducted along sane and practical, as opposed to dogmatic and theoretical lines, is next to religion, the greatest civilizing influence. I request that this institution secure for its officers, trustees, and faculty, men of such outstanding character, ability, and vision as will insure its attaining and maintaining a place of real leadership in the educational world, and that great care and discrimination be exercised in admitting as students only those whose previous record shows a character, determination, and application evincing a wholesome and real ambition for life. And I advise that the courses at this institution be arranged, first, with special reference to the training of preachers, teachers, lawyers and physicians, because these are most in the public eye, and by precept and example can do most to uplift mankind, and second, to instruction in chemistry, economics and history, especially the lives of the great of earth, because I believe that such subjects will most help to develop our resources, increase our wisdom and promote human happiness.

IV. (In Article THIRD) As respects any year or years and any purpose or purposes for which this trust is created (except the payments hereinafter directed to be made to Duke University) the Trustees in their uncontrolled discretion may withhold the whole or any part of said incomes, revenues and profits which would otherwise be distributed under the "Fifth" division hereof, and either (1) accumulate the whole or any part of the amount so withheld for expenditures (which the Trustees are hereby authorized to make thereof) for the same purpose in any future year or years, or (2) add the whole or any part of the amounts so withheld to the corpus of the trust, or (3) pay, apply and distribute the whole or any part of said amounts to and for the benefit of any one or more of the other purposes of this trust, or (4) pay, apply and distribute the whole or any part of said amounts to or for the benefit of any such like charitable, religious or educational purpose within the State of North Carolina or the State of South Carolina, or any such like charitable hospital purpose which shall be selected therefor by the affirmative vote of three-fourths of the then Trustees at any meeting of the Trustees called for the purpose, complete authority and discretion in and for such selection and utilization being hereby given the Trustees in the premises.

2. THE CHARTER OF THE UNIVERSITY

SECTION 1. That A. P. Tyer, J. H. Southgate, B. N. Duke, G. A. Oglesby, V. Ballard, J. A. Long, J. F. Bruton, J. N. Cole, F. A. Bishop, J. G. Brown, C. W. Toms, J. W. Alspaugh, W. R. Odell, J. A. Gray, F. Stikeleather, Kope Elias, S. B. Turrentine, P. H. Hanes, T. F. Marr, G. W. Flowers, M. A. Smith, R. H. Parker, W. J. Montgomery, F. M. Simmons, O. W. Carr, R. A. Mayer, N. M. Journey, Dred Peacock, B. B. Nicholson, W. G. Bradshaw, E. T. White, T. N. Ivey, J. B. Hurley, R. L. Durham, W. C. Wilson, and their associates and successors shall be, and continue as they have been, a

body politic and corporate under the name and style of DUKE UNIVERSITY, and under such name and style shall have perpetual existence and are hereby invested with all the property and rights of property which now belong to the said corporation, and said corporation shall henceforth and perpetually, by the name and style of DUKE UNIVERSITY, hold and use all the authority, privileges, and possessions it had or exercised under any former title and name, and be subject to all recognized legal liabilities and obligations now outstanding against said corporation.

SEC. 2. That such corporation is authorized to receive and hold by gift, devise, purchase or otherwise, property, real and personal, to be held for the use of said University and its dependent schools or for the use of either or both (as may be designated in the conveyance or will).

SEC. 3. That the Trustees shall be thirty-six in number, of whom twelve shall be elected by the North Carolina Conference of the M. E. Church, South; twelve by the W. N. C. Conference of the said church; and twelve by the graduates of said University; *Provided, however*, That no person shall be elected a Trustee till he has first been recommended by a majority of the Trustees present at a regular meeting; and the Trustees shall have power to remove any member of their body who may remove beyond the boundary of the State or who may refuse or neglect to discharge the duties of a Trustee. The term of office of Trustees shall be six years, and they shall be so arranged that four Trustees shall be elected by each Conference and four by the graduates every two years. The Trustees shall regulate by bylaws the manner of election of the Trustees to be chosen by the graduates. Should there exist a vacancy by death, resignation, or otherwise of any Trustee, the same shall be filled for the unexpired term by the Board of Trustees. That the present Trustees shall continue and remain in office during the term for which they have been heretofore respectively elected.

SEC. 4. That the said corporation shall be under the supervision, management and government of a president and such other persons as said Trustees may appoint; the said president, with the advice of other persons so appointed, shall from time to time make all needful rules and regulations for the internal government of said University and prescribe the preliminary examinations and the terms and conditions on which pupils shall be received and instructed.

SEC. 5. That said Trustees shall have power to make such rules, regulations, and bylaws not inconsistent with the Constitution of the United States and of this State, as may be necessary for the good government of said University and the management of the property and funds of the same.

SEC. 6. That the Trustees shall have power to fix the time of holding their annual and other meetings, to elect a president and professors for said University, to appoint an executive committee to consist of seven members, which committee shall control the internal regulations of said University and fix all salaries and emoluments, and to do all other things necessary for an institution of learning not inconsistent with the laws of this State and of the United States.

SEC. 7. That the Faculty and Trustees shall have the power of conferring such degrees and marks of honor as are conferred by colleges and universities generally; and that five Trustees shall be a quorum to transact business.

SEC. 8. That all laws and parts of laws or of the charter heretofore granted which are in conflict with this act are hereby repealed.

SEC. 9. That this act shall be in force from and after its ratification and acceptance by the Board of Trustees.

3. THE BYLAWS OF THE UNIVERSITY

1. AIMS OF THE UNIVERSITY. The aims of Duke University are to assert a faith in the eternal union of knowledge and religion set forth in the teachings

and character of Jesus Christ, the son of God; to advance learning in all lines of truth; to defend scholarship against all false notions and ideals; to develop a Christian love of freedom and truth; to promote a sincere spirit of tolerance; to discourage all partisan and sectarian strife; and to render the largest permanent service to the individual, the state, the nation, and the church. Unto these ends shall the affairs of this University always be administered.

2. **THE UNIVERSITY TRUSTEES.** The Alumni Trustees, nominated by the Board as provided for in the charter, are elected by the Alumni Association. The officers of the Board are chairman, vice-chairman, and recording secretary. The chairman calls to order and presides at all meetings of the Board, calls extraordinary meetings when, in his judgment, such meetings may be necessary, and represents the Trustees at public meetings of the University. He is ex-officio member of the Executive Committee. In the absence of the chairman the vice-chairman calls to order and presides over meetings of the Board, but does not perform any of the other duties of the chairman unless ordered to do so by the Board of the Executive Committee. The recording secretary records the minutes of all the meetings, does the correspondence, and is the custodian of the records and other documents that may belong to the Board.

3. **THE EXECUTIVE COMMITTEE.** The Executive Committee consists of seven members, three of them from the University Trustees, including the chairman ex-officio, three from the Endowment Trustees, and the President of the University ex-officio. It performs the duties set out for it in the charter—namely, controls the internal regulations of the University and fixes all salaries and emoluments. The Committee is furthermore authorized to appoint officers and teachers of the University subject to the approval of the University Trustees. The Committee is elected by the University Trustees, three of them on nomination of the Endowment Trustees, and the Committee elects its own officers. It meets once a month and oftener when necessary. The Committee through its chairman makes annually a report to the University Trustees.

4. **OFFICERS OF THE UNIVERSITY.** The officers of the University are a president, three vice-presidents, a treasurer, a dean of the University, and such other deans as may be needed, a recording dean or registrar, and a secretary who is also secretary of the faculty. Whenever it may seem wise, more than one of these offices may be held by one man.

President. The President of the University calls, and presides at, all the meetings of the Faculties, sees that the laws and regulations of the Executive Committee and the Trustees affecting the administration and work of the University are carried out, appoints all committees of the Faculties and has direction of the discipline and work of the University. He has the authority to veto any action of the Faculties, when, in his judgment, such action is not in harmony with the aims and laws of the University, or when he may deem such action as unwise. However, in every instance he shall submit to the Faculty in writing his reasons for setting aside their action, and the secretary of the Faculty shall record his reasons in the record book of the Faculty. The President makes an annual report to the Board of the work, conditions, and needs of the University, and of other matters that may be of concern to it or to the cause of higher education. He nominates all members of the Faculties, and represents them at all public meetings of the University. He is an ex-officio member of the Executive Committee; and acts as the medium of communication between the University Trustees and the Endowment Trustees.

Vice-Presidents. The three Vice-Presidents of the University have supervision of the work of the University in the divisions of (a) business, (b) education, and (c) student life. In the absence of the President, Vice-Presidents in the order of official seniority may perform such duties of the President as may demand immediate attention.

Treasurer. The Vice-President in the Business Division and Treasurer has the custody of all the property of the University; that is, he has the primary responsibility for all collections and disbursements, for all securities and financial records, and for the care of the entire physical plant. He is required to make monthly reports to the Executive Committee and annual reports to the Trustees concerning his accounts and the property in his charge. It shall be the duty of the Treasurer to nominate to the Executive Committee an assistant treasurer and other assistants in sufficient number to do well the duties of his office. All officers entrusted with property belonging to the University are required to keep records of the same and these records are at all times subject to the inspection of the Treasurer. The Treasurer and his assistants shall be required to give bond, joint or several, in an amount not less than \$50,000 for the faithful performance of their duties.

5. *FACULTIES.* The General Faculty of the University is composed of professors, associate professors, and assistant professors who have been elected to membership in the Faculty. Concerning questions that do not lie exclusively in the field of any one Faculty and questions of University educational policy this Faculty has the right to enact such regulations as it may deem necessary to carry on the instruction, advance the standard of work, and otherwise develop the scholarly aims of the University. The General Faculty recommends to the University Trustees such persons as it deems fit to receive academic degrees or other marks of academic distinction. This Faculty meets twice a year and at other times on the call of the President or Dean of the University, or on the written request of five members.

The professional schools have their own faculties, each with its dean and other appropriate officers elected by the Executive Committee with the approval of the University Trustees, and each is authorized to perform any educational functions that lie in its field.

The Faculty Council includes the Deans and Assistant Deans of Trinity College and the Woman's College, the Dean of the Graduate School, the Secretary of the General Faculty, the Chairman and Director of Undergraduate Studies in each department offering instruction in the undergraduate colleges of liberal arts and sciences, one additional member elected by each department that has five or more teachers giving instruction in arts and sciences, and such others as may be appointed to membership in the Council by the governing bodies of the University. The Council meets once a month and considers questions of curriculum in the field of arts and sciences and other educational details and policies that are outside the functions of any one faculty.

The Council on Undergraduate Teaching consists of the Deans and Assistant Deans of Trinity College, the Woman's College, the College of Engineering, some other officers and appointed members, and teachers of all ranks who are giving fifty per cent or more of their time to the instruction of undergraduates. Courses to which both Seniors and graduates are admitted are understood as intended primarily for graduate students. The business of this Council is to stimulate good teaching and to find ways and means to make college teaching as effective as possible. It has the right to take such actions as may be necessary to promote these ends.

The Council on the Instruction of Freshmen is composed of the Dean of Undergraduate Instruction, the Dean of Freshmen, and the Supervisor of Freshmen Instruction from each department offering courses for Freshmen. It considers policies and matters of detail as affecting Freshman instruction and also provision for the general welfare of Freshmen. The Freshman Council makes recommendations to the Faculty Council for action in matters of general policy. The Freshman Council has the power to call upon members of the Faculty for reports or other information pertaining to the instruction of Freshmen at such dates as it may determine.

The Council on Education for Women consists of the Dean of Women and of one representative from each department offering courses which are largely taken by women students. It shall consider matters of interest and policy relating to the instruction and general welfare of the women students of the University, and make recommendations to the President, or the Faculty Council. The members of the Council on Education for Women are appointed by the President of the University.

The Council on Engineering Instruction consists of the Dean of the College of Engineering, the Secretary of the College, the Dean of the University, the Chairmen of the several departments in engineering, one representative to be appointed by the President of the University from each of the Departments of Mathematics, Physics, Chemistry, Economics, English. The Council deals with questions relating to instruction in engineering, the welfare of engineering students, and the cause of engineering in general. The Executive Committee consists of the Dean and the Secretary of the College of Engineering, and the Chairmen of the Departments of Civil, Electrical, and Mechanical Engineering.

The Council on Graduate Instruction consists of members of the Faculty above and including the ranks of associate professor who give at least half of their time to graduate work under the direction of the Graduate School, and others who may be appointed by the Governing Bodies of the University. One member is appointed from each of the professional schools which give courses for graduate credit, and in some cases more than one. The Council has to do with whatever pertains to instruction and requirements for degrees in the Graduate School of Arts and Sciences.

The Executive Committee of the Council on Graduate Instruction consists of the Dean and six members appointed by the President upon the recommendation of the Dean. Blanks are distributed once a year to each member of the Council with the request that six names be entered on the blank as his suggestions for members of the Committee. It is understood that the Dean is to take these suggestions into account in his recommendations to the President. In so far as possible the Humanities, Biological and Physical Sciences, Social Sciences, and other fields are to be represented on the Executive Committee. No more than four of the six committee members are to be reappointed for any ensuing year.

6. **ACADEMIC YEAR.** The academic year begins on the morning of the Wednesday following September 15. The annual Commencement comes in the week including the first Sunday in June. The Christmas recess begins at 1:00 P.M. December 20 (or December 19 if December 20 falls on Sunday), and ends at 8:00 A.M., January 3 (or January 4 if January 3 falls on Sunday). The spring recess begins at 1:00 P.M. of the Saturday in March nearest to March 25, and ends at 8:00 A.M., of Monday nine days later. Thanksgiving Day is a holiday.

7. **TENURE OF OFFICE.** Teachers of all ranks are subject to removal by the Executive Committee, with the approval of the University Trustees, for misconduct or neglect of duty. Teachers may be elected for terms of one, two, three, or four years; or teachers with the rank of professor may be elected without time-limit. Administrative officers are usually elected without time-limit, but the Executive Committee, with the approval of the University Trustees, may remove any officer of the University whenever, in their opinion, he is not properly performing the duties of his office.

8. The bylaws may be amended at any regular meeting of the University Trustees by the affirmative vote of two thirds of the full membership of the Board, provided that the proposed amendment is submitted through the Secretary of the Board to the members at least twenty days before the meeting.

SABBATICAL LEAVE

Sabbatical leave of absence for members of the General Faculty is granted under regulations adopted by the Executive Committee of the Trustees on March 28, 1923, revised in 1928, partly in abeyance in the year 1933-34 and the succeeding three years, and restored in the year 1937-38. The conditions on which sabbatical leave of absence is granted are set forth below.

1. Every member of the General Faculty (composed of professors, associate professors, and assistant professors) is eligible for sabbatical leave after six years in the service of the University. Such leave may be taken for a full year at half salary or a half year at full salary.

2. In order to obtain a sabbatical leave written request for such leave must be filed with the President of the University by December 1 of the academic year preceding the one in which the leave is to take effect.

3. If in exceptional cases it should develop that the granting of leave to an applicant during the year for which application is made would raise very serious difficulties detrimental to the best interests of the applicant's department or school, or the interests of the institution as a whole; or because of questions concerning the applicant's period of service prior to the leave, the President shall appoint a committee which shall have power to decide the question of granting the sabbatical leave for the particular year under consideration. This committee shall consist of five members as follows: two members of the general faculty appointed yearly by the President, the Treasurer of the University, the Dean of the school or college of which the applicant is a member, the chairman of the applicant's department, or should no such chairman exist another member of the applicant's department.

4. If this committee should decide against the granting of a sabbatical leave for the year for which the applicant applied, the applicant would be eligible for sabbatical leave the following year or any year thereafter upon making application in due form as above.

5. After September 1, 1928, if a member of the faculty on becoming eligible for sabbatical leave does not for some special reason apply for such leave, he may count the additional years of service prior to his leave toward the six years of service necessary before he can apply for a subsequent leave. If in an exceptional case an applicant for personal reasons applies for a sabbatical leave to be effective in advance of his regular year and such leave is granted, he shall not be eligible for a subsequent leave until he has served six years plus the number of years by which this leave is advanced.

6. On recommendation of the committee after leave of absence has been granted it may be postponed for urgent reasons and under conditions to be determined by the committee.

7. All those cases which have occurred in the past or which may occur in the future in which leave of absence is granted under conditions where the absentee receives full pay for a half year or half pay or more for a full year's leave of absence shall be considered as regular sabbatical leave under these regulations.

8. These revised regulations became effective as of September 1, 1928, and sabbatical leaves under such regulations began with the academic year 1929-30. The regulations were partly in abeyance in 1933-34, 1934-35, 1935-36, and 1936-37. The restoration of the regulations begins with the academic year 1937-38. The four years, 1933-34, 1934-35, 1935-36, and 1936-37, may not count toward the six years of service necessary before application can be made for leave of absence. In all cases in which special arrangements have been made for the granting of sabbatical leave (as described in condition No. 7) during the period of partial abeyance of the plan, the next six years of service shall be counted as beginning with the academic year 1937-38. All other members of the General Faculty who apply for sabbatical leave may count the years of service they had to their credit at the beginning of the academic year 1933-34.

GOVERNING BODIES AND OFFICERS

EXECUTIVE COMMITTEE OF THE UNIVERSITY

(Consisting of three members from the University Trustees, three from the Endowment Trustees, and the President of the University.)

	Year of Election		
J. F. BRUTON, Chairman.....	1918.....	Wilson,	N. C.
G. G. ALLEN.....	1923.....	New York,	N. Y.
M. E. NEWSOM.....	1917.....	Durham,	N. C.
W. N. REYNOLDS.....	1933.....	Winston-Salem,	N. C.
J. H. SEPARK.....	1929.....	Gastonia,	N. C.
W. R. PERKINS.....	1937.....	New York,	N. Y.
R. L. FLOWERS.....	1923.....	Durham,	N. C.

UNIVERSITY TRUSTEES

Term Expires December 31, 1949

G. G. ALLEN.....	1923.....	New York,	N. Y.
J. H. BARNHARDT.....	1918.....	Shelby,	N. C.
JAMES A. BELL, Vice-Chairman.....	1920.....	Charlotte,	N. C.
R. G. CHERRY.....	1934.....	Gastonia,	N. C.
R. L. FLOWERS.....	1927.....	Durham,	N. C.
J. P. FRIZZELLE.....	1937.....	Snow Hill,	N. C.
THOMAS M. GRANT.....	1933.....	Rocky Mount,	N. C.
J. R. SMITH.....	1934.....	Mount Airy,	N. C.

FROM THE ALUMNI

B. F. FEW.....	1941.....	New York,	N. Y.
C. F. LAMBETH.....	1915.....	Thomasville,	N. C.
H. B. PORTER.....	1941.....	Wilson,	N. C.
C. K. PROCTOR.....	1935.....	Oxford,	N. C.

Term Expires December 31, 1945

E. S. BOWLING.....	1939.....	New York,	N. Y.
H. C. DOSS.....	1943.....	Detroit,	Mich.
G. M. IVEY.....	1943.....	Charlotte,	N. C.
B. C. NALLE.....	1941.....	Charlotte,	N. C.
M. E. NEWSOM.....	1917.....	Durham,	N. C.
W. W. PEELE.....	1921.....	Richmond,	Va.
W. R. PERKINS.....	1924.....	New York,	N. Y.
*D. C. ROPER.....	1929.....	Washington,	D. C.
B. S. WOMBLE.....	1915.....	Winston-Salem,	N. C.

FROM THE ALUMNI

	Year of Election		
H. R. DWIRE, Ass't. Rec. Secretary.....	1931.....	Durham,	N. C.
N. E. EDGERTON.....	1941.....	Raleigh,	N. C.
R. A. MAYER.....	1897.....	Charlotte,	N. C.
W. A. STANBURY.....	1933.....	Winston-Salem,	N. C.

* Died, April 11, 1943.

Term Expires December 31, 1947

J. F. BRUTON, Chairman.....	1900.....	Wilson,	N. C.
JAMES B. CRAVEN.....	1941.....	Greensboro,	N. C.
D. S. ELIAS.....	1929.....	Asheville,	N. C.
P. H. HANES.....	1912.....	Winston-Salem,	N. C.
J. L. HORNE, JR.....	1934.....	Rocky Mount,	N. C.
B. E. JORDAN.....	1943.....	Saxapahaw,	N. C.
S. B. TURRENTINE.....	1893.....	Greensboro,	N. C.
EARLE W. WEBB.....	1933.....	New York,	N. Y.

FROM THE ALUMNI

S. S. ALDERMAN.....	1934.....	Washington,	D. C.
W. N. REYNOLDS.....	1927.....	Winston-Salem,	N. C.
J. H. SEPARK.....	1916.....	Gastonia,	N. C.
WILLIS SMITH.....	1929.....	Raleigh,	N. C.

ENDOWMENT TRUSTEES

G. G. ALLEN, Chairman.....	1924.....	New York,	N. Y.
W. R. PERKINS, Vice-Chairman.....	1924.....	New York,	N. Y.
N. A. COCKE, Vice-Chairman.....	1924.....	Charlotte,	N. C.
A. H. SANDS, JR., Secretary.....	1924.....	New York,	N. Y.
E. C. MARSHALL, Assistant Secretary.....	1924.....	Charlotte,	N. C.
W. C. PARKER, Treasurer.....	1924.....	New York,	N. Y.
W. B. BELL.....	1924.....	New York,	N. Y.
C. I. BURKHOLDER.....	1924.....	Charlotte,	N. C.
MRS. DORIS DUKE CROMWELL.....	1933.....	New York,	N. Y.
MRS. J. B. DUKE.....	1924.....	New York,	N. Y.
R. L. FLOWERS.....	1926.....	Durham,	N. C.
B. E. GEER.....	1924.....	Greenville,	S. C.
W. S. RANKIN.....	1925.....	Charlotte,	N. C.
W. N. REYNOLDS.....	1931.....	Winston-Salem,	N. C.
W. S. O'B. ROBINSON, JR.....	1932.....	Charlotte,	N. C.

COMMITTEES OF THE UNIVERSITY TRUSTEES

Buildings and Grounds: J. R. SMITH, CHERRY, BARNHARDT.

Business Administration of the University: HANES, ELIAS, BOWLING.

Colleges: ALDERMAN, ROPER,* HORNE.

Divinity School: PEELE, GRANT, PORTER, EDGERTON.

School of Forestry: DWIRE, NEWSOM, FEW.

Graduate School: WEBB, TURRENTINE, FLOWERS, CRAVEN.

Law School: WILLIS SMITH, WOMBLE, CHERRY, FRIZZELLE.

Library: STANBURY, HANES, LAMBETH.

Medical School and Hospital: MAYER, PROCTOR, NALLE.

Physical Education and Intercollegiate Athletics: SEPARK, J. R. SMITH, PROCTOR.

* Died, April 11, 1943.

OFFICERS OF ADMINISTRATION

GENERAL ADMINISTRATION

FLOWERS, ROBERT LEE, A.M., LL.D. <i>President of the University</i>	West Campus
WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D. <i>Vice-President and Dean of the University</i>	West Campus
DWIRE, HENRY RUDOLPH, A.B., A.M., LL.D. <i>Vice-President and Director of Public Relations and Alumni Affairs</i>	403 West Chapel Hill Street
†BROWN, FRANK CLYDE, A.B., A.M., Ph.D. <i>Comptroller</i>	410 Buchanan Road
BROWER, ALFRED SMITH, A.B. <i>Administrative Assistant</i>	518 Morehead Avenue

BUSINESS ADMINISTRATION

MARKHAM, CHARLES BLACKWELL, A.B., A.M. <i>Treasurer of the University</i>	204 Dillard Street
JORDAN, CHARLES EDWARD, A.B. <i>Secretary of the University</i>	813 Vickers Avenue
HENRICKSEN, GERHARD CHESTER, A.B., A.M., C.P.A. <i>Assistant Treasurer</i>	216 Forest Wood Drive, Forest Hills
*WEATHERSPOON, EVERETT BROADUS, A.B. <i>Assistant Secretary</i>	125 Pinecrest Road
TYREE, WILLIAM ALLEN, A.B. <i>Director in the Business Division</i>	610 Buchanan Road
WHITFORD, WILLIAM EDWARD, A.B. <i>Director in the Business Division</i>	804 Third Street
THOMPSON, JAMES EDWARD <i>Manager, the Duke University Dining Halls</i>	504 East Forest Hills Boulevard
*SAWYER, OTIS, A.B. <i>Purchasing Agent, Duke University</i>	2010 Club Boulevard
MOORE, JOHN MEREDITH, A.B. <i>Manager, the Duke University Stores</i>	Prince Street
†UPCHURCH, WALTER MCGOWAN, JR., A.B., LL.B. <i>Financial Adviser, Student Activities</i>	Johnson Apartments
BOY, CARL A. <i>Superintendent of Maintenance, West Campus</i>	2214 Erwin Road

† Died, June 3, 1943.

* On active duty, U. S. Army.

† On leave, War Industry Service.

GIFT, JOHN C.

Superintendent of Maintenance, East Campus

811 Fifth Street

PUBLIC RELATIONS AND ALUMNI AFFAIRS

DWIRE, HENRY RUDOLPH, A.B., A.M., LL.D. 403 West Chapel Hill Street
Director of Public Relations and Alumni Affairs

DUKES, CHARLES AUBREY, A.B. 1309 Oakland Avenue
Assistant Director

GARRARD, ANNE, A.B., A.M. 1023 Gloria Avenue
Assistant Director, Alumni Affairs

JACKSON, DAVID KELLY, A.B., A.M. 626 Swift Avenue
Assistant Editor, Duke University Press

*MANN, GLENN EDWARD, A.B. 2114 Wilson Street
Manager, Athletics Division, the News Service

†UPCHURCH, WALTER MCGOWAN, JR., A.B., LL.B. Johnson Apartments
Director, Appointments Office

WILKINSON, ALBERT ALEXANDER, A.B. 1113 Alabama Avenue
Director, the News Service

EDUCATIONAL ADMINISTRATION

WANNAMAKER, WILLIAM HANE, A.B., A.M., Litt.D. West Campus
Dean of the University

UNDERGRADUATE COLLEGES

HERRING, HERBERT JAMES, A.B., A.M. Myrtle Drive, West Campus
Dean of Trinity College

BALDWIN, ALICE MARY, A.B., A.M., Ph.D. East Campus
Dean of the Woman's College

HALL, WILLIAM HOLLAND, A.B., A.M., B.C.E., M.S.C.E. 922 Urban Avenue
Dean of the College of Engineering

MANCHESTER, ALAN KREBS, A.B., A.M., Ph.D. Myrtle Drive, West Campus
Dean of Freshmen, Trinity College

SMITH, MRS. RUTH SLACK, A.B., A.M. Faculty Apartments, East Campus
Associate Dean of Undergraduate Instruction, Woman's College

PERSONS, MRS. ELIZABETH ANDERSON, A.B., A.M. 612 Swift Avenue
Dean of Freshmen, the Woman's College
Secretary of the Committee on Admissions of the Woman's College

||CLEAVELAND, FREDERIC NEILL, A.B., A.M. East Campus
Assistant Dean of Men

* On active duty, U. S. Navy.

† On leave, War Industry Service.

Absent on leave, American Red Cross Service, 1943-1944.

WATSON, KARL BRANTLEY, A.B., B.S., M.A., Ph.D.
Counselor in Testing and Guidance

1102 Virginia Avenue

GRADUATE AND PROFESSIONAL SCHOOLS

HOOVER, CALVIN BRYCE, A.B., Ph.D., Litt.D. 1702 Duke University Road
Dean of the Graduate School of Arts and Sciences

ROBERT, JOSEPH CLARKE, A.B., A.M., Ph.D. 1102 B Street
Assistant to the Dean of the Graduate School

GARBER, PAUL NEFF, A.B., A.M., Ph.D. Myrtle Drive, West Campus
Dean of the Divinity School

RUSSELL, ELBERT, A.B., A.M., Ph.D., Litt.D. 804 Fourth Street
Dean Emeritus of the Divinity School

HORACK, HUGO CLAUDE, Ph.B., LL.B., LL.D. Myrtle Drive, West Campus
Dean of the School of Law

DAVISON, WILBURT CORNELL, A.B., B.A., B.Sc., A.M., D.Sc., M.D. Hope Valley
Dean of the School of Medicine

PINKERTON, MARGARET ISABEL, R.N., B.S. 412 Swift Avenue
Dean of the School of Nursing

KORSTIAN, CLARENCE FERDINAND, B.S.F., M.F., M.A., Ph.D. 1718 Duke University Road
Dean of the School of Forestry

HOLTON, HOLLAND, A.B., J.D. 809 Watts Street
Director of the Summer Session

COLEMAN, MARGARET, A.B., A.M. 918 Urban Avenue
Recorder, Trinity College

KENDALL, HELEN MILDRED, A.B. 8 Aycock Apartments
Registrar, School of Law

SEABOLT, LOUISE, A.B., A.M. Faculty Apartments
Recorder, Woman's College

INSTRUCTIONAL STAFF

This alphabetical list includes all members of the various faculties of the University. The date denotes the first year of service.

ADAMS, DONALD KEITH, (1931) A.B., M.A., Ph.D. Cornwallis Road
Associate Professor of Psychology

ADDOMS, RUTH MARGERY, (1930) B.A., M.A., Ph.D. 1003 Lamond Avenue
Associate Professor of Botany

*ADKINS, TROGLER FRANCIS, (1937) M.D. Aycock Apartments
Instructor in Obstetrics and Gynecology

*ALEXANDER, LEO, (1941) A.B., M.D. 2122 Myrtle Drive
Associate Professor of Neuropsychiatry

ALTVATER, F. VERNON, (1930) A.B., A.M. Route 2, Hillsboro, N. C.
Associate in Hospital Administration

ALYEA, EDWIN PASCAL, (1930) S.B., M.D. Hope Valley
Clinical Professor of Urology

* On active duty, U. S. Army.

- ||ANDERSON, LEWIS EDWARD, (1936) B.S., A.M., Ph.D.
Assistant Professor of Botany 305 Frances Street
- ANDERSON, GEORGE KING, (1942) A.B., M.D.
Associate in Pediatrics Duke Hospital
- ANDERSON, WILLIAM BANKS, (1930) A.B., M.D. 503 E. Forest Hills Blvd.
Associate Professor of Surgery in Charge of Ophthalmology
- ARENA, JAY MORRIS, (1933) B.S., M.D.
Assistant Professor of Pediatrics. 2032 Club Boulevard
- †ARNOLD, RALPH A., (1936) B.A., M.D.
Instructor in Otolaryngology and Ophthalmology University Apartments
- ATKINSON, MARGARET CLAFLIN, MRS., (1942) A.B.
Instructor in Physical Education and Recreation 1006 Demerius Street
- ATWOOD, THEODORE W., (1934) A.B., D.M.D.
Associate in Dentistry. Allenton Apartments
- AYCOCK, THOMAS MALCOLM, (1937) B.S., M.S.
Assistant Professor of Physical Education 1404 Alabama Avenue
- BAKER, LENOX DIAL, (1937) M.D.
Associate Professor of Surgery in charge of Orthopaedics Hope Valley
- BAKER, MAURY DAVIDSON, JR., (1943) A.B., A.M.
Instructor in Engineering Drawing Duke University
- BAKER, ROGER DENIO, (1930) A.B., M.D.
Associate Professor of Pathology 1111 Watts Street
- BALDWIN, ALICE MARY, (1923) A.B., A.M., Ph.D.
Professor of History and Dean of the Woman's College East Campus
- BARKER, RUTH ELIZABETH, (1940) A.B., M.S.
Instructor in Medical Social Service 1507 W. Pettigrew Street
- BAUM, PAULL FRANKLIN, (1922) A.B., A.M., Ph.D.
Professor of English 112 Pinecrest Road
- BAYLIN, GEORGE JAY, (1939) A.B., M.D.
Associate in Radiology 2260 Cranford Road
- BEAL, JAMES ALLEN, (1939) B.S., M.S., Ph.D.
Professor of Forest Entomology 2232 Cranford Road
- BEARD, JOSEPH W., (1937) B.S., M.D.
Associate Professor of Surgery in charge of Experimental Surgery Hillsboro, N. C.
- BERNHEIM, FREDERICK, (1930) A.B., Ph.D. Woodridge Drive, Rockwood
Associate Professor of Physiology and Pharmacology
- BERNHEIM, MARY LILIAS CHRISTIAN, MRS., (1930) B.A., M.A., Ph.D.
Assistant Professor of Biochemistry Woodridge Drive, Rockwood
- BERRY, EDWARD WILLARD, (1936) A.B., Ph.D.
Associate Professor of Geology 1003 N. Gregson Street
- *BERRY, THOMAS SENIOR, (1935) S.B., M.A., Ph.D.
Instructor in Economics 100 Vineyard Street
- BEVINGTON, MERLE MOWBRAY, (1942) A.B., M.A., Ph.D.
Assistant Professor of English 2608 Nation Avenue
- BIGELOW, LUCIUS AURELIUS, (1929) S.B., Ph.D.
Professor of Chemistry 131 Pinecrest Road

|| On active duty, U. S. Navy.

† On active duty, U. S. Army.

* Absent on leave, Government Service, 1943-1944.

- BILLIG, OTTO, (1941) M.D.
Associate in Neuropsychiatry Duke Hospital
- BIRD, HAROLD CRUSIUS, (1926) Ph.B., C.E.
Professor of Civil Engineering 1209 Virginia Avenue
- BLACK, MARTIN LEE, JR., (1930) A.B., M.B.A., C.P.A.
Associate Professor of Accounting 135 Pinecrest Road
- BLACKBURN, WILLIAM MAXWELL, (1926) A.B., B.A., M.A., Ph.D.
Associate Professor of English 715 Anderson Street
- BLANCO, IGNACIO MATTE, (1941) B.Hum., M.B., M.D.
Lecturer in Psychiatry Duke Hospital
- BLOMQUIST, HUGO LEANDER, (1920) B.S., Ph.D.
Professor of Botany 922 Demerius Street
- BLUM, JAY, (1942) A.B., M.A., Ph.D.
Visiting Assistant Professor of Economics Pickett Road
- †BOAS, RALPH PHILIP, JR., (1939) A.B., Ph.D.
Instructor in Mathematics 2707 Legion Avenue
- BOLICH, WILLIAM BRYAN, (1927) A.B., B.A. (Juris.), M.A., B.C.L.
Professor of Law Hope Valley
- BONNER, LYMAN GAYLORD, (1937) A.B., Ph.D.
Assistant Professor of Physics 2708 Nation Avenue
- BOOKHOUT, CAZLYN GREEN, (1935) A.B., A.M., Ph.D.
Assistant Professor of Zoology 1307 Alabama Avenue
- ‡BOOKHOUT, ELIZABETH CIRCLE, MRS., (1932) A.B., M.S.
Instructor in Physical Education 1307 Alabama Avenue
- ‡BOUTON, MARGARET, (1942) A.B., A.M.
Instructor in Fine Arts 208 Watts Street
- BRADSHAW, CHARLES KILGO, (1939) A.B., M.A., Ph.D.
Instructor in Chemistry 2302 Elder Street
- BRADWAY, JOHN SAEGER, (1931) A.B., A.M., LL.B.
Professor of Law 2621 Stuart Drive
- BRANSCOMB, BENNETT HARVIE, (1925) A.B., B.A., M.A., Ph.D., Litt.D.
Professor of New Testament Language and Literature
Chelsea Circle, Hope Valley
- BREWSTER, LAWRENCE FAY, (1942) A.B., A.M., Ph.D.
Instructor in History Duke University
- BRICE, ASHBEEL GREEN, (1939) A.B., A.M.
Instructor in English 814 Sixth Street
- BRIDGERS, FURMAN ANDERSON, (1926) A.B., A.M.
Assistant Professor of Romance Languages 1325 Arnette Avenue
- BROADHEAD, EDWARD HALL, (1933) A.B., A.M., M.M.
Instructor in Music 1015 Dacian Avenue
- BROWN, FRANCES, (1931) A.B., Ph.D.
Assistant Professor of Chemistry 205 Jones Street
- ||BROWN, FRANK CLYDE, (1909) A.B., A.M., Ph.D.
Professor of English 410 Buchanan Road

† Resigned, May 9, 1943.

‡ Resigned, June 30, 1943.

|| Died, June 3, 1943.

- BROWN, HAROLD WILLIAM, (1938) A.B., M.S., Sc.D., Dr.P.H., M.D.
Professor of Preventive Medicine and Public Health Chapel Hill, N. C.
- BROWNELL, WILLIAM ARTHUR, (1930) A.B., A.M., Ph.D., LL.D.
Professor of Educational Psychology Hope Valley
- *BRUINSMA, HENRY A., (1938) B.M., M.M.
Assistant Professor of Music Devon Road, Hope Valley
- BRYSON, THADDEUS DILLARD, (1928) LL.D.
Professor of Law Hope Valley
- CALLAWAY, JASPER LAMAR, (1937) B.S., M.D.
Assistant Professor of Medicine, in charge of 828 Anderson Street
Dermatology and Syphilology
- CAMERON, EDMUND McCULLOUGH, (1926) A.B.
Acting Director of Physical Education, Trinity College Hope Valley
- CANNON, JAMES, III, (1919) A.B., A.M., Th.B., Th.M., D.D.
Ivey Professor of History of Religion and Missions 910 Arnette Avenue
- CARLITZ, LEONARD, (1932) A.B., A.M., Ph.D.
Associate Professor of Mathematics 2303 Cranford Road
- CARPENTER, DAVID WILLIAMS, (1929) A.B., A.M., Ph.D.
Assistant Professor of Physics 137 Pinecrest Road
- CARR, JOHN WINDER, JR., (1926) A.B., A.M., Ph.D.
Professor of Education 926 Monmouth Avenue
- ‡CARROLL, EBER MALCOLM, (1923) A.B., A.M., Ph.D.
Professor of History University Apartments
- CARROLL, ROBERT SPROUL, (1941) M.D.
Lecturer in Neuropsychiatry Asheville, N. C.
- CARTER, BAYARD, (1931) A.B., B.A., M.A., M.D.
Professor of Obstetrics and Gynecology Myrtle Drive, West Campus
- CARTER, MARJORIE, (1941) A.B.
Instructor in Spanish 801 Third Street
- ||CAVERS, DAVID FARQUHAR, (1931) B.S., LL.B.
Professor of Law Sylvan Road
- CAYER, DAVID, (1939) B.A., M.D.
Instructor in Medicine Duke Hospital
- CHILDS, BENJAMIN GUY, (1924) B.A., M.A.
Professor of Education 1019 West Markham Avenue
- CLARK, ELON HENRY, (1934)
Instructor in Art and Photography as Applied to Medicine 2802 Legion Avenue
- CLARK, KENNETH WILLIS, (1931) A.B., B.D., Ph.D. 1308 Markham Avenue
Associate Professor of New Testament Language and Literature
- CLAY, ALFRED THOMAS, (1941) B.S., A.M., Captain, U. S. Navy, Retired
Professor of Naval Science and Tactics 912 Shepherd Street
- CLYDE, PAUL HIBBERT, (1937) A.B., A.M., Ph.D.
Professor of History Faculty Apartments
- ‡COILE, THEODORE STANLEY, (1935) B.S.F., M.F., Ph.D.
Associate Professor of Forest Soils Duke University
- ‡COLE, ROBERT TAYLOR, (1935) A.B., A.M., Ph.D.
Associate Professor of Political Science Duke University

* Absent on leave, 1943-1944.

‡ Absent on leave, Government Service, 1943-1944.

|| Absent on leave, Government Service.

- CONANT, NORMAN FRANCIS, (1935) B.S., A.M., Ph.D.
Assistant Professor of Bacteriology and Mycology Tuscaloosa Forest
- CONE, BONNIE ETHEL, (1943) B.S., A.M.
Instructor in Mathematics Duke University
- CONSTANT, FRANK WOODBRIDGE, (1930) B.S., Ph.D.
Associate Professor of Physics 2701 Legion Avenue
- COOLIDGE, THOMAS BUCKINGHAM, (1935) B.A., Ph.D., M.D.
Assistant Professor of Biochemistry 312 Buchanan Road
- COOKE, THOMAS CHEATHAM, (1943)
Instructor in Mechanical Engineering 2209 Wilson Street
- COOPER, ALBERT DERWIN, (1934) A.B., M.D.
Instructor in Medicine 1006 Dacian Avenue
- COWPER, FREDERICK AUGUSTUS GRANT, (1918) A.B., A.M., Ph.D.
Professor of Romance Languages 1017 Dacian Avenue
- || CRAIG, ROBERT LAWRENCE, (1939) B.A., M.D.
Instructor in Neurology 919 Monmouth Avenue
- || CRAVEN, ERLE BULLA, JR., (1937) A.B., M.D.
Associate in Medicine Winston-Salem, N. C.
- CREADICK, ROBERT NOWELL, (1939) A.B., M.D.
Instructor in Obstetrics and Gynecology Guess Road
- † CRISPELL, RAYMOND S., (1933) A.B., M.D.
Associate Professor of Neuropsychiatry Myrtle Drive, West Campus
- CRUM, MASON, (1930) A.B., Ph.D.
Assistant Professor of Biblical Literature 912 Anderson Street
- CUNNINGHAM, BERT, (1916) B.S., M.S., Ph.D.
Professor of Biology 1200 Markham Avenue
- CUYLER, W. KENNETH, (1938) B.A., M.A., Ph.D.
Research Instructor in Endocrinology Pickett Road
- DANN, WILLIAM JOHN, (1934) B.S., Ph.D.
Associate Professor of Physiology and Nutrition 113 Pinecrest Road
- DAVIS, GIFFORD, (1930) A.B., A.M., Ph.D.
Assistant Professor of Romance Languages 2015 Wa Wa Avenue
- DAVISON, WILBURT CORNELL, (1927) A.B., B.A., B.Sc., M.A., D.Sc., M.D.
Professor of Pediatrics and Dean of the School of Medicine Hope Valley
- DEES, JOHN ESSARY, (1939) B.S., M.D.
Associate in Urology 1012 Green Street
- DEES, SUSAN COONS, (1939) A.B., M.S., M.D.
Associate in Pediatrics 1012 Green Street
- * DELAPLANE, WALTER HAROLD, (1934) A.B., A.M., Ph.D.
Assistant Professor of Economics Duke University
- DE VYVER, FRANK TRAVER, (1935) A.B., A.M., Ph.D.
Professor of Economics 8 Sylvan Road
- DICK, MACDONALD, (1932) B.A., M.A., M.D.
Assistant Professor of Physiology and Pharmacology Hope Valley Road
- DOW, MARIE, MME., (1934) L. ès L., M.A.
Instructor (Part-time) in French 1411 Arcadia Street
- DOW, NEAL, (1934) A.B., M.A., Ph.D.
Instructor in Romance Languages 1411 Arcadia Street

|| On active duty, U. S. Army.

† On active duty, U. S. Navy.

* Absent on leave, Government Service, 1943-1944.

- *DOWLING, MARY LOUISE, (1937) B.S.
Instructor in Physical Education and Recreation 205 Faculty Apartments
- DRESSEL, FRANCIS GEORGE, (1929) B.S., M.S., Ph.D.
Assistant Professor of Mathematics 309 Francis Street
- **DUBS, HOMER HASENPFLUG, (1937) A.B., A.M., B.D., Ph.D.
Acting Professor of Philosophy 2415 Club Boulevard
- DUCHARME, PAUL HENRI, (1941) B.S., M.D.
Instructor in Radiology Duke Hospital
- DUKE, KENNETH LINDSAY, (1940) A.B., Ph.D.
Instructor in Anatomy 701 Club Boulevard
- †DURLAND, ARTHUR CHARLES, (1942) B.S., M.S. in M.E.
Instructor in Mechanical Engineering 2007 Pershing Street
- EADIE, GEORGE SHARP, (1930) M.A., M.B., Ph.D.
Professor of Physiology and Pharmacology Hope Valley
- EAGLE, WATT WEEMS, (1930) A.B., M.D.
Associate Professor of Surgery in charge of Otolaryngology 804 Anderson Street
- EASLEY, ELEANOR BEAMER, (1934) B.A., M.A., M.D.
Associate in Obstetrics and Gynecology 2614 Stuart Drive
- ‡EASLEY, HOWARD, (1930) A.B., M.A., Ph.D.
Assistant Professor of Education 2614 Stuart Drive
- EDGERTON, FRANK N., (1943) A.B., A.M.
Instructor in Physics Duke University
- EDWARDS, CHARLES WILLIAM, (1898) A.B., A.M., M.S.
Professor of Physics 406 Buchanan Road
- EITEMAN, WILFORD J., (1937) A.B., A.M., Ph.D.
Assistant Professor of Economics 126 Pinecrest Road
- ELLIOTT, WILLIAM WHITFIELD, (1925) B.A., M.A., Ph.D.
Professor of Mathematics 1404 Arnette Avenue
- ELLWOOD, CHARLES ABRAM, (1930) Ph.B., Ph.D., LL.D.
Professor of Sociology Pinecrest Road
- EPPERSON, JESSE HARRISON, (1930) B.S.
Instructor in Preventive Medicine and Public Health 1601 Hermitage Court
- ||ERICKSON, CYRUS CONRAD, (1937) B.S., B.M., M.D.
Associate in Pathology University Apartments
- †EVANS, FRANCIS GAYNOR, (1941) A.B., A.M., Ph.D.
Instructor in Zoology 11 Powe Apartments
- EVERETT, JOHN WENDELL, (1932) A.B., Ph.D.
Assistant Professor of Anatomy 2605 University Drive
- ||FERGUSON, ARTHUR BOWLES, (1939) A.B., Ph.D.
Instructor in History 1104 Watts Street
- FERGUSON, GEORGE BURTON, (1937) M.Sc. (Med.), M.D.
Associate in Bronchoscopy Beverly Apartments
- FITZGERALD, WILLIAM STONE, (1935) A.B., A.M.
Instructor in English 3 Powe Apartments, 603 Watts Street
- FORBUS, WILEY DAVIS, (1930) A.B., M.D.
Professor of Pathology Hope Valley
- ‡FOX, HERBERT JUNIUS, (1940) M.D.
Instructor in Medicine Indian Trail
- * Absent on leave with U. S. O., first semester, 1942-1943; resigned, December, 1942.
 ** Term of service expired August 31, 1943.
 † Resigned, June 30, 1943.
 ‡ On active duty, U. S. Navy.
 || On active duty, U. S. Army.

- FRIEDLANDER, WALTER, (1943) Ph.D.
Visiting Lecturer in Fine Arts, Second Semester, 1942-43 Duke University
- GARBER, PAUL NEFF, (1924) A.B., A.M., Ph.D. Myrtle Drive, West Campus
Professor of Church History and Dean of the Divinity School
- *GARDNER, CLARENCE ELLSWORTH, JR., (1930) A.B., M.D.
Associate Professor of Surgery Hope Valley
- *GARRARD, ROBERT L., (1941) A.B., M.S., B.S., M.D.
Instructor in Neuropsychiatry 1000 Hale Street
- GATES, ARTHUR MATHEWS, (1909) A.B., A.M., Ph.D.
Assistant Professor of Latin 1030 West Trinity Avenue
- GERGEN, JOHN JAY, (1936) A.B., M.A., Ph.D.
Professor of Mathematics 1005 Monmouth Avenue
- ||GIBSON, WILLIAM MARION, (1934) A.B., A.M., Ph.D.
Assistant Professor of Political Science Duke University
- GILBERT, ALLAN, (1920) B.A., A.M., Ph.D.
Professor of English 516 Carolina Circle
- GILBERT, KATHARINE EVERETT, (1930) A.B., A.M., Ph.D., Litt.D.
Professor of Philosophy; Chairman, Department of Aesthetics, Art and Music 516 Carolina Circle
- GILI, MARY EIDAM, MRS., (1941) B.M.
Instructor in Music 113 Faculty Apartments
- †GILLIN, JOHN, (1941) A.B., A.M., Ph.D.
Associate Professor of Anthropology Duke University
- GLASSON, WILLIAM HENRY, (1902) Ph.B., Ph.D., LL.D. 710 Buchanan Road
Professor of Political Economy and Social Science, Emeritus
- GOHDES, CLARENCE, (1930) A.B., A.M., Ph.D.
Professor of English 2614 Stuart Drive
- GOLDIN, JUDAH, (1943) B.S., A.M., D.H.L.
Lecturer on Jewish Literature and History Duke University
- GRAHAM, WILLIAM ALEXANDER, (1939) A.B., M.D.
Instructor in Obstetrics and Gynecology Beverly Apartments
- GRAVES, ROBERT WILLIAMS, (1936) B.S., M.A., M.D.
Assistant Professor of Neurology Cornwallis Road
- GRAY, CYRUS LEIGHTON, (1941) A.B., M.D.
Instructor in Radiology Bickett Apartments
- GRAY, IRVING EMERY, (1930) B.S., M.S., Ph.D.
Professor of Zoology 124 Pinecrest Road
- GREENEWALD, HERBERT, (1943) B.S.
Instructor in Physics Duke University
- GREENHILL, MAURICE H., (1940) A.B., M.D.
Associate Professor of Neuropsychiatry Hope Valley
- GREGORY, PAUL M., (1942) A.B., M.A., Ph.D.
Visiting Instructor in Economics 918 Urban Avenue
- GRIMSON, KEITH S., (1942) B.A., B.S., M.D.
Associate in Surgery 213 Cornwallis Road
- GROSS, PAUL MAGNUS, (1919) B.S., A.M., Ph.D.
William Howell Pegram Professor of Chemistry Hope Valley

* On active duty, U. S. Army.

|| On active duty, U. S. Navy.

† Absent on leave, Government Service, 1943-1944.

- GROUT, JULIA REBECCA, (1924) A.B., M.S. 207 Jones Street
Assistant Professor of Physical Education, Woman's College
- *HALL, FRANK GREGORY, (1926) A.B., A.M., Ph.D. 122 Pinecrest Road
Professor of Zoology
- HALL, LOUISE, (1931) B.A., S.B. in Architecture, Brevet d'Art de la Sorbonne
Assistant Professor of Fine Arts 210 Faculty Apartments
- HALL, SNOWDEN COWMAN, (1937) A.B., M.D. Danville, Va.
Associate in Medicine
- HALL, WILLIAM HOLLAND, (1915) A.B., A.M., B.C.E., M.S.C.E.
Professor of Engineering and Dean of the College of Engineering
 922 Urban Avenue
- HALLOWELL, JOHN HAMILTON, (1942) A.B., A.M., Ph.D. 1309 Maryland Avenue
Visiting Assistant Professor of Political Science
- HAMBLÉN, EDWIN CROWELL, (1931) B.S., M.D. 810 Forest Hills Blvd.
Associate Professor of Obstetrics, Gynecology and Endocrinology
- HAMILTON, EARL JEFFERSON, (1927) B.S., A.M., Ph.D. 1015 Demerius Street
Professor of Economics
- HAMILTON, WILLIAM BASKERVILLE, JR., (1936) A.B., A.M., Ph.D. 2256 Cranford Road
Assistant Professor of History
- HANDLER, PHILIP, (1939) B.S., M.S., Ph.D. 2813 Legion Avenue
Associate in Physiology and Nutrition
- HANES, FREDERIC MOIR, (1930) A.B., A.M., M.D. 2127 Myrtle Drive, West Campus
Florence McAlister Professor of Medicine
- HANSEN-PRÜSS, OSCAR CARL EDVARD, (1930) A.B., M.D. 3 Surry Road, Hope Valley
Associate Professor of Medicine in charge of Clinical Microscopy
- HARGITT, GEORGE THOMAS, (1930) Ph.B., A.M., Ph.D., Sc.D. 811 Watts Street
Professor of Zoology
- †HARRAR, ELWOOD SCOTT, (1936) B.S., M.S., Ph.D. 2228 Cranford Road
Associate Professor of Wood Technology
- *HARRIS, JEROME SYLVAN, (1936) A.B., M.D. Duke University
Associate in Pediatrics and Biochemistry
- HART, DERYL, (1930) A.B., A.M., M.D. Duke University Road and Highway 751
Professor of Surgery
- HART, HORNELL NORRIS, (1938) A.B., M.A., Ph.D. Randolph Road
Professor of Sociology
- HARWELL, GEORGE CORBIN, (1935) A.B., A.M., Ph.D. 2020 Pershing Street
Instructor in English
- †HASBROUCK, FRANCIS MAHLON, (1935) A.B., Ph.D. 1005 Homer Street
Assistant Professor of Romance Languages
- HATLEY, CHARLES CLEVELAND, (1917) A.B., A.M., Ph.D. 708 Buchanan Road
Professor of Physics
- HAUSER, CHARLES ROY, (1929) B.S., M.S., Ph.D. 1020 Rose Hill Avenue
Associate Professor of Chemistry
- **HEBB, MALCOLM HAYDEN, (1938) A.B., Ph.D. 137 Pinecrest Road
Instructor in Physics

* On active duty, U. S. Army.

† Absent on leave, War Industry Service.

** Absent on leave, Government Service, second semester, 1943-1944.

- HEMPHILL, JAMES EUGENE, (1940) B.A., M.D.
Instructor in Radiology 2109 Pershing Street
- HENDERSON, ALFRED FAXON, (1938) A.B., M.D.
Instructor in Urology Vance Apartments
- HENDRIX, JAMES PAISLEY, (1938) B.S., M.A., M.D.
Associate in Medicine 144 Pinecrest Road
- HERRING, HERBERT JAMES, (1924) A.B., A.M. Myrtle Drive, West Campus
Assistant Professor in Speech and Dean of Trinity College
- HESSE, FREDERICK HARRISON, (1941) A.B., M.D.
Instructor in Neuropsychiatry University Apartments
- HETHERINGTON, DUNCAN CHARTERIS, (1930) A.B., M.A., Ph.D., M.D.
Associate Professor of Anatomy Hope Valley
- HICKMAN, FRANKLIN SIMPSON, (1927) A.B., S.T.B., A.M., Ph.D.
*Professor of Preaching and the Psychology of Religion and
 Dean of the Chapel* 823 Buchanan Road
- HICKSON, ARTHUR OWEN, (1929) A.B., A.M., Ph.D.
Assistant Professor of Mathematics 208 Legion Avenue, Tuscaloosa Forest
- HILL, DOUGLAS, (1931) A.B., M.A., Ph.D.
Assistant Professor of Chemistry Dixon Road
- HINTON, WILLIAM ARTHUR, (1942) B.S. in M.E., M.S. in M.E.
Assistant Professor of Mechanical Engineering 1110 Oval Drive
- ||HITCH, JOSEPH M., (1938) A.B., M.S., M.D.
Instructor in Dermatology and Syphilology Chapel Hill, N. C.
- HOBBS, MARCUS EDWIN, (1935) A.B., A.M., Ph.D.
Assistant Professor of Chemistry 115 Pinecrest Road
- *HOFFER, JERRY, (1941) B.S., M.S. in A.E.
Instructor in Aeronautics 602 Buchanan Road
- HOLLINSHEAD, WILLIAM HENRY, (1930) B.A., M.S., Ph.D.
Assistant Professor of Anatomy 2307 Prince Street
- HOLTON, HOLLAND, (1912) A.B., J.D.
*Professor of the History and Science of Education and
 Director of the Summer Session* 809 Watts Street
- HON, RALPH C., (1941) A.B., A.M., Ph.D.
Visiting Assistant Professor of Economics 127 Pinecrest Road
- HOOVER, CALVIN BRYCE, (1925) A.B., Ph.D., Litt.D.
*Professor of Economics and Dean of the Graduate School of
 Arts and Sciences* 1702 Duke University Road
- HORACK, HUGO CLAUDE, (1930) Ph.B., LL.B., LL.D.
Professor of Law and Dean of the School of Law 2021 Myrtle Drive, West Campus
- HUBBELL, JAY BROADUS, (1927) A.B., A.M., Ph.D.
Professor of English 121 Pinecrest Road
- IRVING, WILLIAM HENRY, (1936) B.A., B.A. (Oxon.), M.A., Ph.D.
Professor of English 2707 Legion Avenue
- JACOBS, R. KENNETH, (1943) B.S.C.E., B.S. Ed., M.S.
Assistant Professor of Civil Engineering 2415 State Street

|| On active duty, U. S. Navy.

* Resigned, June 30, 1943.

- JEFFERS, KATHERINE R., (1937) A.B., A.M., Ph.D.
Assistant Professor of Zoology 1507 West Pettigrew Street
- JENSEN, HOWARD EIKENBERRY, (1931) A.B., A.M., B.D., Ph.D.
Professor of Sociology 143 Pinecrest Road
- JOHNSON, MYCHYLE W., (1937) A.B., Ph.D.
Assistant Professor of Zoology 2108 Sprunt Street
- JOHNSTON, CHRISTOPHER, (1930) A.B., M.D.
Assistant Professor of Medicine 1417 W. Pettigrew Street
- *JONES, THOMAS T., (1937) A.B., M.D.
Associate in Medicine 1919 Club Boulevard
- JORDAN, ARCHIBALD CURRIE, (1925) A.B., A.M.
Assistant Professor of English Pinecrest Road, Corner U. S. Highway No. 751
- JORDAN, BRADY RIMBEY, (1927) Litt.B., Ph.D.
Professor of Romance Languages 117 Pinecrest Road
- JUDD, MARY, (1943) A.B., M.A.
Instructor in Physical Education Duke University
- †KEECH, JAMES MAYNARD, (1931) A.B., A.M., Ph.D.
Instructor in Economics 2803 Nation Avenue
- *KEMP, EDWARD H., (1940) A.B., Ph.D.
Assistant Professor of Psychology 1403 Oakland Avenue
- KEMP, MALCOLM D., (1941) M.D.
Instructor in Neuropsychiatry Pine Bluff, N. C.
- KEMPNER, WALTER, (1934) M.D.
Assistant Professor of Medicine 1505 Virginia Avenue
- KERBY, GRACE P., (1940) B.S.
Instructor in Pathology Beverly Apartments
- KOCH, SIGMUND, (1942) A.B., A.M., Ph.D.
Instructor in Psychology University Apartments
- KOHN, HENRY IRVING, (1937) A.B., Ph.D.
Assistant Professor of Physiology and Pharmacology 206 East Woodridge Drive
- KÖRSTIAN, CLARENCE FERDINAND, (1930) B.S.F., M.F., M.A., Ph.D.
Professor of Silviculture and Dean of the School of Forestry 1718 Duke University Road
- KRAMER, PAUL JACKSON, (1931) A.B., M.Sc., Ph.D.
Associate Professor of Botany 2251 Cranford Road
- KRAYBILL, EDWARD K., (1939) B.S. in E.E.
Instructor in Electrical Engineering 113 Watts Street
- KRUMMEL, CHARLES ALBERT, (1922) Ph.B., Ph.M., Ph.D.
Professor of German 2118 Englewood Avenue
- KUHN, HAROLD HUNTER, (1940) A.B., B.S., M.D.
Instructor in Orthopaedics Duke Hospital
- LANDON, CHARLES EDWARD, (1926) A.B., A.M., Ph.D.
Assistant Professor of Economics 1517 Edgevale Road
- LANNING, JOHN TATE, (1927) A.B., A.M., Ph.D.
Professor of History Hope Valley

* On active duty, U. S. Army.

† Absent on leave, Government Service, 1943-1944.

- LAPRADE, WILLIAM THOMAS, (1909) A.B., Ph.D.
Professor of History 1108 Monmouth Avenue
- ‡LATTY, ELVIN REMUS, (1937) B.S., J.D., J.Sc.D.
Professor of Law 2020 Wilson Street
- †LEARY, LEWIS, (1941) B.S., A.M., Ph.D.
Assistant Professor of English 1503 Alabama Avenue
- LEIGHTON, CLARE, (1943) D.F.A.
Visiting Lecturer on Art Duke University
- LEMERT, BEN FRANKLIN, (1930) B.Sc. in Bus. Admin., M.A., Ph.D.
Assistant Professor of Economic Geography 123 Pinecrest Road
- LEONARD, HENRY SIGGINS, (1937) A.B., A.M., Ph.D.
Associate Professor of Philosophy 107 Pinecrest Road
- LESTER, RICHARD ALLEN, (1940) Ph.B., M.A., Ph.D.
Associate Professor of Economics 2020 Wilson Street
- *LEWIS, LEROY, (1935) A.B., A.M.
Instructor in Speech 1517 North Duke Street
- LEWIS, MARTHA MODENA, (1933) B.S., M.A.
Instructor in Physical Education and Dance 305 Erwin Apartments
- LEWIS, RALPH ELTON, (1941) B.S., M.S. in M.E.
Assistant Professor of Mechanical Engineering 1308 Markham Avenue
- ||LINEBARGER, PAUL MYRON ANTHONY, (1937) A.B., M.A., Ph.D.
Assistant Professor of Political Science Duke University
- LÖWENBACH, HANS, (1940) M.D.
Assistant Professor of Neuropsychiatry and Physiology 1516 Edgevale Road
- LONDON, ARTHUR HILL, JR., (1932) B.S., M.D.
Associate in Pediatrics 619 Morehead Avenue
- LONDON, FRITZ, (1938) Ph.D., Docteur ès Sciences of the University of Paris
Professor of Theoretical Chemistry 1508 Oakland Avenue
- LOVELL, DURWARD LEE, (1937) M.D.
Instructor in Surgery Duke Hospital
- LOWNDES, CHARLES LUCIEN BAKER, (1934) A.B., LL.B., S.J.D.
Professor of Law 2016 Club Boulevard
- **LUND, JOHN JORGENSEN, (1939) A.B., Ph.D., Certificate of Librarianship
Librarian 921 Monmouth Avenue
- LUNDEBERG, OLAV K., (1931) A.B., A.M., Ph.D.
Associate Professor of Romance Languages 127 Pinecrest Road
- LUNDHOLM, HELGE, (1930) Fil. Kand., Fil. Lic., Ph.D.
Professor of Psychology 803 Second Street
- LYMAN, RICHARD SHERMAN, (1940) B.A., M.D.
Professor of Neuropsychiatry 812 Anderson Street
- McBRYDE, ANGUS, (1931) B.S., M.D.
Assistant Professor of Pediatrics 1522 Hermitage Court
- MCCAIN, PAUL PRESSLY, (1931) A.B., M.D., LL.D.
Assistant Professor of Medicine Southern Pines, N. C.

‡ Absent on leave, Government Service.

† Absent on leave, Government Service, 1943-1944.

* Resigned, June 30, 1943.

|| On active duty, U. S. Army.

** On leave, War Industry Service.

- McCLOY, SHELBY THOMAS, (1927) A.B., M.A., B.A., B.Litt., Ph.D.
Assistant Professor of History Vineyard Street, Tuscaloosa Forest
- McCREA, FORREST DRAPER, (1930) B.S., M.S., Ph.D.
Associate Professor of Physiology and Pharmacology 1023 Demerius Street
- McDERMOTT, MALCOLM, (1930) A.B., LL.B.
Professor of Law East Campus
- ‡McDONALD, ALEXANDER DONALD, (1936) A.B., M.F.A.
Assistant Professor of Fine Arts University Apartments
- McDOWELL, ROY HENDRIX, (1941) A.B., M.D., M.P.H.
Instructor in Syphilology 1603 W. Lakewood Avenue
- *McLARTY, FURMAN GORDON, (1933) A.B., B.A., A.M., Ph.D.
Assistant Professor of Philosophy Hillsboro, N. C.
- MAGALHAES, HULDA, (1943) B.S., A.M.
Instructor in Zoology Duke University
- †MAGGS, DOUGLAS BLOUNT, (1930) A.B., J.D., S.J.D.
Professor of Law Hope Valley
- MAKEPEACE, ALEXANDER WATTS, (1941) M.D.
Associate in Obstetrics and Gynecology Chapel Hill, N. C.
- MAKER, PHILIP TILLOTSON, (1942) A.B., A.M., Ph.D.
Assistant Professor of Mathematics 2803 Nation Avenue
- MANCHESTER, ALAN KREBS, (1929) A.B., A.M., Ph.D.
Associate Professor of History and Dean of Freshmen Myrtle Drive, West Campus
- ||MANNING, ISAAC HALL, JR., (1939) A.B., M.D.
Associate in Medicine Duke University
- MARGOLIS, LESTER HENRY, (1940) A.B., M.D.
Instructor in Neurology Duke Hospital
- MARTIN, DONALD STOVER, (1932) A.B., M.D.
Associate Professor of Bacteriology and Associate in Medicine 2208 Pershing Street
- MARTIN, ELSIE W., (1930) A.B., M.S.
Professor of Dietetics 206 Faculty Apartments, East Campus
- MAUGHAN, WILLIAM, (1931) B.S., M.F.
Associate Professor of Forest Management 5 Sylvan Road
- *MAXWELL, WILLIAM CARY, (1930) A.B., A.M., Ph.D.
Assistant Professor of German 142 Pinecrest Road
- MEIER, OTTO, JR., (1934) B.S. in E.E., M.S., E.E.
Assistant Professor of Electrical Engineering 916 Monmouth Avenue
- MENEFEE, ELIJAH EUGENE, JR., (1940) B.S., M.D.
Instructor in Medicine and Bacteriology, and 2314 Woodrow Street
Anna H. Hanes Research Fellow
- MILAM, DANIEL FRANKLIN, (1939) A.B., M.P.H., M.D.
Associate in Preventive Medicine and Public Health Duke Hospital
- MITCHELL, FRANK KIRBY, (1926) A.B., A.M.
Associate Professor of English East Campus
- *MOORE, THOMAS H., (1940) B.S.
Instructor in Economics 1200 W. Markham Avenue

‡ Resigned, June 30, 1942.

* On active duty, U. S. Navy.

|| On active duty, U. S. Army.

† Absent on leave, Government Service.

- ‡MORGAN, GEORGE ALLEN, JR., (1936) Ph.B., A.M., Ph.D.
Associate Professor of Philosophy Duke University
- MOUZON, JAMES CARLISLE, (1932) B.A., Ph.D.
Associate Professor of Physics 132 Pinecrest Road
- MYERS, HIRAM EARL, (1926) A.B., S.T.B., S.T.M.
Professor of Biblical Literature 141 Pinecrest Road
- *NELSON, ERNEST WILLIAM, (1926) A.B., A.M., Ph.D.
Associate Professor of History Faculty Apartments
- NEURATH, HANS, (1938) Ph.D.
Assistant Professor of Biochemistry 2505 Club Boulevard
- NICHOLSON, WILLIAM MCNEAL, (1935) A.B., M.D.
Assistant Professor of Medicine 812 Anderson Street
- NIELSEN, WALTER MCKINLEY, (1925) B.S. in E.E., Ph.D.
Professor of Physics 139 Pinecrest Road
- NOOJIN, RAY O., (1940) A.B., M.D.
Instructor in Dermatology and Syphilology 2021 Sprunt Street
- NORDHEIM, LOTHAR WOLFGANG, (1937) Ph.D.
Professor of Physics 2255 Cranford Road
- NORFLEET, GRIZZELLE M., (1938) A.B., B.S., M.A.
Supervisor of the Spastic Clinic 903 Sixth Street
- ODOM, GUY LEARY, (1943) M.D.
Associate in Surgery in charge of Neurosurgery Hope Valley
- OGLESBY, ROSCOE RALPH, (1943) A.B., M.A.
Instructor in Engineering Drawing Duke University
- OOSTING, HENRY JOHN, (1932) A.B., M.S., Ph.D.
Assistant Professor of Botany 2642 University Drive, Rockwood
- ORGAIN, EDWARD STEWART, (1934) M.D.
Assistant Professor of Medicine 512 Jackson Street
- ORMOND, JESSE MARVIN, (1923) A.B., B.D., D.D.
Professor of Practical Theology 110 Pinecrest Road
- OUTLER, ALBERT C., (1938) A.B., A.M., B.D., Ph.D.
Assistant Professor of Historical Theology 2122 Englewood Avenue
- ‡PARKER, HAROLD TALBOT, (1939) A.B., Ph.D.
Instructor in History Duke University
- PATTERSON, KARL BACHMAN, (1920) A.B., A.M.
Assistant Professor of Mathematics 1024 Monmouth Avenue
- PATTINSON, HULME HOLMES, (1943) B.S.M.E., B.A.
Instructor in Engineering Drawing 905 Sixth Street
- PATTON, LEWIS, (1926) A.B., Ph.D.
Associate Professor of English 614 Swift Avenue
- PEARSE, ARTHUR SPERRY, (1926) B.S., A.M., Ph.D., LL.D.
Professor of Zoology Chelsea Circle, Hope Valley
- ‡PEARSE, RICHARD LEHMER, (1935) A.B., M.D.
Instructor in Obstetrics and Gynecology Duke University
- PEPPLER, CHARLES WILLIAM, (1912) A.B., Ph.D.
Professor of Greek 406 Buchanan Road

‡ On active duty, U. S. Army.

* Absent on leave, 1943-1944.

† On active duty, U. S. Navy.

- PEELE, TALMAGE LEE, (1939) A.B., M.D.
Associate in Anatomy University Apartments
- PERLZWEIG, WILLIAM ALEXANDER, (1930) B.S., A.M., Ph.D.
Professor of Biochemistry Hope Valley
- PERRY, HAROLD SANFORD, (1932) A.B., Ph.D.
Assistant Professor of Botany 2302 Cranford Road
- ‡PERSONS, ELBERT LAPSLEY, (1930) A.B., M.D.
Assistant Professor of Medicine 723 Anderson Street
- PETERSON, MAURINE, (1942) B.S., M.S.
Instructor in Public Health 101 Faculty Apartments
- PETRY, RAY C., (1937) A.B., A.M., Ph.D.
Assistant Professor of Church History 128 Pinecrest Road
- PINKERTON, MARGARET ISABEL, (1939) B.S., R.N.
Professor of Nursing and Dean of the School of Nursing 412 Swift Avenue
- POSTON, MARY ALVERTA, (1930) A.M.
Instructor in Bacteriology 512 Watts Street
- *POTEAT, JAMES DOUGLASS, (1936) A.B., LL.B., J.S.D.
Professor of Law 1106 Watts Street
- POTEAT, MARY, (1935) A.B., A.M., Ph.D.
Instructor in English 103 Faculty Apartments
- †PRATT, LANIER WARD, (1940) A.B., M.A.
Instructor in Romance Languages 2023 Sprunt Street
- PROCTOR, ARTHUR MARCUS, (1923) A.B., A.M., Ph.D.
Professor of Education Myrtle Drive, West Campus
- QUYNN, DOROTHY MACKAY, MRS., (1930) A.B., A.M., Docteur de l'Université de Paris
Assistant Professor of History Woodridge Drive, Rockwood
- ‡QUYNN, WILLIAM ROGERS, (1930) B.A., M.A., Ph.D.
Assistant Professor of Romance Languages Woodridge Drive, Rockwood
- RANEY, RICHARD BEVERLY, (1934) A.B., M.D.
Associate in Orthopaedics 1110 Shepherd Street
- RANKIN, ROBERT STANLEY, (1927) A.B., A.M., Ph.D.
Professor of Political Science 1107 Knox Street
- RANKIN, WILLIAM WALTER, JR., (1926) B.E., M.A.
Professor of Mathematics 1011 Gloria Avenue
- RATCHFORD, BENJAMIN ULYSSES, (1928) B.S., A.M., Ph.D.
Associate Professor of Economics 133 Pinecrest Road
- RAYMOND, MARY LOIS, (1931) A.B., M.A.
Assistant Professor of Romance Languages 1003 Lamond Avenue
- REAMER, I. THOMAS, (1931) Ph.G.
Instructor in Pharmacy University Apartments
- REED, FREDERICK JEROME, (1935) M.E., M.S.
Assistant Professor of Mechanical Engineering 2203 Englewood Avenue

‡ On active duty, U. S. Army.

* Absent on leave, Government Service.

† On active duty, U. S. Navy.

- REEVES, ROBERT JAMES, (1930) A.B., M.D.
Clinical Professor of Radiology 1010 Monmouth Avenue
- *REID, JOHN TURNER, (1939) A.B., A.M., Ph.D.
Assistant Professor of Romance Languages Duke University
- †REQUE, PAUL GERHARD, (1940) M.D.
Instructor in Medicine, Dermatology and Syphilology 2023 Sprunt Street
- RHINE, JOSEPH BANKS, (1927) B.S., M.S., Ph.D.
Professor of Psychology 908 W. Club Boulevard
- RICHARDSON, WILLIAM P., (1938) B.S., M.P.H., M.D.
Instructor in Preventive Medicine and Public Health Chapel Hill, N. C.
- ROBERT, JOSEPH CLARKE, (1938) A.B., A.M., Ph.D.
Assistant Professor of History 1102 B Street
- ‡ROBERTS, JOHN H., (1931) A.B., Ph.D.
Associate Professor of Mathematics Legion Avenue, Tuscaloosa Forest
- †ROBERTS, LOUIS CARROLL, (1933) B.S., M.D.
Instructor in Urology 2028 Sunset Avenue
- ROGERS, ROBERT S., (1937) A.B., A.M., Ph.D., F.A.A.R.
Professor of Latin 148 Pinecrest Road
- ROPP, THEODORE, (1938) A.B., A.M., Ph.D.
Instructor in History Augusta Street
- ROSE, JESSE LEE, (1936) A.B., M.A., Ph.D.
Instructor in Latin 603 Watts Street
- ROSENAU, MILTON JOSEPH, (1936) A.M., M.D.
Lecturer in Preventive Medicine and Public Health Chapel Hill, N. C.
- †ROSS, NORMAN F., (1937) D.D.S.
Instructor in Dentistry Chelsea Circle, Hope Valley
- ‡ROSS, ROBERT ALEXANDER, (1930) B.S., M.D.
Associate Professor of Obstetrics and Gynecology 818 Anderson Street
- ROWE, GILBERT THEODORE, (1928) A.B., S.T.D., D.D., Litt.D.
Professor of Christian Doctrine 150 Pinecrest Road
- RUCKER, MARVIN PIERCE, (1941) A.M., M.D., LL.D.
Lecturer in Obstetrics and Gynecology Richmond, Va.
- RUFFIN, JULIAN MEADE, (1930) A.B., M.A., M.D.
Associate Professor of Medicine 816 Anderson Street
- RUSSELL, ELBERT, (1926) A.B., A.M., Ph.D., Litt.D.
Professor of Biblical Interpretation and Dean Emeritus of the Divinity School 804 Fourth Street
- SACHS, JAMES WILBUR, (1940) B.S., M.C.
Instructor in Otolaryngology and Ophthalmology Duke Hospital
- SANDERS, C. RICHARD, (1937) B.Ph., M.A., Ph.D.
Assistant Professor of English 1004 Urban Avenue
- ||SANDERS, PAUL HAMPTON, (1936) A.B., LL.B.
Associate Professor of Law 2711 Stuart Drive
- SARETT, HERBERT PAUL, (1939) B.A., M.S., Ph.D.
Instructor in Biochemistry Duke Hospital

* Absent on leave, Government Service, 1943-1944.

† On active duty, U. S. Army.

‡ On active duty, U. S. Navy.

|| Absent on leave, Government Service.

- SAYLOR, JOHN HENRY, (1928) A.B., A.M., Ph.D.
Associate Professor of Chemistry 707 Club Boulevard
- *SCARBOROUGH, HENRY BALDWIN, (1942) A.B., M.A.
Instructor in Physics 1007 W. Trinity Avenue
- SCATES, DOUGLAS EDGAR, (1939) A.B., Ph.D.
Associate Professor of Education 2247 Cranford Road
- SCHIEBEL, HERMAN MAX, (1939) A.B., M.D.
Instructor in Surgery 1410 Pennsylvania Avenue
- SCHNOOR, THOMAS GILBERT, (1940) B.S., M.D.
Instructor in Otolaryngology and Ophthalmology 2308 Erwin Road
- †SCHULZE, WILLIAM, (1936) B.S., M.D.
*Instructor in Medicine, and Robert M. Hanes
 Research Fellow* 1001 Lamond Avenue
- SCHUMACHER, FRANCIS X., (1937) B.S.
Professor of Forestry 6 Sylvan Road
- SEAGROVES, EVERETT EDGAR, (1941) B.S., Lieutenant, U. S. Navy
Assistant Professor of Naval Science and Tactics 1015 Gloria Avenue
- †SEALY, WILL CAMP, (1936) B.S., M.D.
Instructor in Surgery Vance Apartments
- SEELEY, WALTER JAMES, (1925) E.E., M.S.
Professor of Electrical Engineering 1005 Urban Avenue
- SHARP, D. GORDON, (1939) B.S., M.A., Ph.D.
Research Associate in Experimental Surgery 202 Francis Street
- SHEARS, LAMBERT ARMOUR, (1927) A.B., A.M., Ph.D.
Instructor in German 917 Green Street
- †SHEPHERD, HAROLD, (1939) A.B., J.D.
Professor of Law Cole Mill Road
- SHIELDS, JOHN HERMAN, (1926) A.B., A.M.
Assistant Professor of Accounting 1315 Vickers Avenue
- ||SHIPMAN, GEORGE A., (1938) A.B., Ph.D.
Associate Professor of Political Science 139 Pinecrest Road
- SIMPSON, WILLIAM HAYS, (1930) A.B., A.M., Ph.D.
Assistant Professor of Political Science 1408 Dollar Avenue
- SMITH, DAVID TILLERSON, (1930) A.B., M.D.
Professor of Bacteriology and Associate Professor of Medicine Hope Valley
- SMITH, FREDRIKA P., (1943) B.A., M.A.
Instructor in Physical Education Duke University
- SMITH, HILRIE SHELTON, (1931) A.B., Ph.D., D.D., Litt.D.
Professor of Christian Ethics and Religious Education 1523 Hermitage Court
- *SMITH, NATALIE, (1940) B.A., M.S.
Instructor in Physical Education 306 Erwin Apartments
- †SMITH, O. NORRIS, (1937) B.A., M.D.
Associate in Medicine Greensboro, N. C.
- SMITH, ROBERT SIDNEY, (1932) A.B., A.M., Ph.D.
Assistant Professor of Economics 2236 Cranford Road

* Resigned, June 30, 1943.

† On active duty, U. S. Army.

|| Absent on leave, Government Service, 1943-1944.

- SMITH, RUTH SLACK, MRS., (1927) A.B., A.M.
*Instructor in Education and Associate Dean of Undergraduate
 Instruction, Woman's College* 115 Faculty Apartments, East Campus
- SMITH, SUSAN GOWER, MRS., (1930) A.B., M.A.
Associate in Medicine Hope Valley
- SNIVELY, MARY HELEN, (1930) R.N., Anes.
Instructor in Anesthesia 2913 Horton Road
- SPENCE, BESSIE WHITTED, MRS., (1929) A.B., A.M., B.D.
Instructor in Biblical Literature Hope Valley
- SPENCE, HERSEY EVERETT, (1918) A.B., A.M., B.D., D.D., Litt.D.
Professor of Biblical Literature and Religious Education Hope Valley
- SPENGLER, JOSEPH JOHN, (1934) A.B., M.A., Ph.D.
Professor of Economics 2240 Cranford Road
- SPONER, HERTHA, (1935) Ph.D.
Professor of Physics Hope Valley
- †SPRINGER, JOHN YOUNG, (1936) A.B., M.B.A.
Assistant Professor of Economics Duke University
- SPRUNT, DOUGLAS HAMILTON, (1932) B.S., M.S., M.D.
Associate Professor of Pathology Hope Valley
- *STEVENS, JOSEPH BLACKBURN, (1940) B.S., M.D.
Associate in Medicine Duke Hospital
- *STILL, BAYRD, (1938) A.B., A.M., Ph.D.
Assistant Professor of History Duke University
- **STINESPRING, WILLIAM FRANKLIN, (1936) B.A., M.A., Ph.D.
Associate Professor of Old Testament 1107 Watts Street
- STUBBS, FRANCIS HORATIO, JR., (1942) B.S., M.S., Lieutenant, U. S. Navy
 (Ret.)
Assistant Professor of Naval Science and Tactics 2106 Woodrow Street
- SUGDEN, HERBERT WILFRED, (1929) A.B., A.M., Ph.D.
Assistant Professor of English University Apartments
- *SUITT, ROBERT BURKE, (1940) M.D.
Associate in Neuropsychiatry Duke University
- *SULLIVAN, DANIEL JOSEPH, (1940) M.D.
Instructor in Neuropsychiatry Duke Hospital
- SUNDERLAND, ELIZABETH READ, (1939-42, 1943) A.B., A.M., Ph.D.
Instructor in Fine Arts University Apartments
- ‡SWETT, FRANCIS HUNTINGTON, (1930) A.B., M.A., Ph.D.
Professor of Anatomy Hope Valley
- SYDNOR, CHARLES SACKETT, (1936) A.B., Ph.D.
Professor of History 116 Pinecrest Road
- TALBERT, ERNEST WILLIAM, (1942) A.B., M.A., Ph.D.
Assistant Professor of English 2633 Chapel Hill Road
- TAYLOR, ALTON ROBERT, (1939) B.S., Ph.D.
Research Associate in Surgery 2119 Club Boulevard
- TAYLOR, HAYWOOD MAURICE, (1930) B.S., M.S., Ph.D.
Associate Professor of Biochemistry and Toxicology University Drive, Rockwood

† On active duty, U. S. Navy.

* On active duty, U. S. Army.

‡ Died, February 10, 1943.

** Absent on Sabbatical leave, first semester, 1943-1944.

- THEISS, ERNEST S., (1939) B.S. in M.E., M.S.
Instructor in Mechanical Engineering 2645 University Drive
- THOMAS, JOSEPH MILLER, (1930) A.B., Ph.D.
Professor of Mathematics 2215 Cranford Road
- *THOMAS, WALTER LEE, JR., (1932) A.B., M.A., M.D.
Assistant Professor of Obstetrics and Gynecology 415 Carolina Circle
- THOMPSON, EDGAR TRISTRAM, (1935) A.B., A.M., Ph.D.
Associate Professor of Sociology and Mental Hygiene 138 Pinecrest Road
- ||THOMSON, ROY BERTRAND, (1938) B.S., M.F., Ph.D.
Associate Professor of Forest Economics 2243 Cranford Road
- *THORNHILL, EDWIN HALE, (1939) M.D.
Instructor in Otolaryngology and Ophthalmology Duke Hospital
- ||TRUESDALE, JAMES N., (1930) A.B., A.M., Ph.D.
Instructor in Greek Duke University
- *UPCHURCH, SAMUEL EARLE, (1933) B.A., M.D.
Instructor in Surgery Duke Hospital
- VAIL, CHARLES ROWE, (1939) B.S. in E.E.
Instructor in Electrical Engineering 1001 Watts Street
- VANCE, MARY HENDREN, MRS., (1926) A.B., A.M.
Assistant Professor of English 208 Watts Street
- VAN ALSTYNE, DOROTHY, (1942) A.B., A.M., Ph.D.
Visiting Assistant Professor in Education Faculty Apartments
- VAN DUSEN, ALBERT EDWARD, (1941) B.A., M.A.
Instructor in History 1502 Bivins Street
- VAN VOORHIS, ROBERT HENRY, (1941) A.B., A.M.
Instructor in Economics East Campus
- VOLLMER, CLEMENT, (1926) A.B., A.M., Ph.D.
Professor of German 2114 Myrtle Drive, West Campus
- VON BECKERATH, HERBERT, (1935) Ph.D.
Professor of Economics and Political Science Hope Valley
- VOSBURGH, WARREN CHASE, (1928) B.S., M.S., Ph.D.
Professor of Chemistry 2319 Englewood Avenue
- WACKERMAN, ALBERT EDWARD, (1938) B.S., M.F.
Professor of Forest Utilization Dover Road, Hope Valley
- WADE, LUTHER IRWIN, (1943) A.B., Ph.D.
Instructor in Mathematics Duke University
- *WADE, WALLACE, (1931) A.B.
Director of Physical Education, Trinity College Myrtle Drive, West Campus
- WALKER, CHARLOTTE FRISCH, (1941) M.D.
Instructor in Neuropsychiatry 212 Watts Street
- WALKER, GERALD CAMPBELL, (1941) M.D., C.M.
Instructor in Pathology Duke Hospital
- WALTER, DAVID OSWELL, (1942) A.B., A.M., Ph.D., J.D.
Visiting Assistant Professor of Political Science 2809 Legion Avenue

* On active duty, U. S. Army.

|| On active duty, U. S. Navy.

- WALTON, LORING BAKER, (1929) A.B., Lic. ès L., Ph.D.
Associate Professor of Romance Languages 2235 Cranford Road
- WARD, CHARLES EUGENE, (1927) A.B., A.M., Ph.D.
Associate Professor of English Guess Road
- †WATSON, JOHN D., (1939) A.B., B.S. in C.E., M.S., Sc.D.
Assistant Professor of Civil Engineering 2519 Club Boulevard
- WATSON, KARL BRANTLEY, (1936) B.S., A.B., A.M., Ph.D.
Instructor in Education 1102 Virginia Avenue
- *WATSON, RICHARD L., JR., (1939) A.B., Ph.D.
Instructor in History 1104 Watts Street
- WAY, VERNON ELGIN, (1930) A.B., A.M., M.A.
Assistant Professor of Greek 909 Gregson Street
- WEBB, ALBERT MICAJAH, (1903) A.B., A.M.
Professor of Romance Languages 1017 Trinity Avenue
- WEEKS, MARGARET, (1942) B.S., M.A.
Instructor in Physical Education 207 Watts Street
- WELFLING, WELDON, (1936) A.B., A.M., Ph.D.
Assistant Professor of Economics Pickett Road
- WEST, ALFRED THURPER, (1930) B.S., A.M.
Assistant Professor of English 1112 Georgia Avenue
- WHARTON, GEORGE WILLARD, JR., (1939) B.S., Ph.D.
Instructor in Zoology 2112 Englewood Avenue
- WHITE, MARIE ANNE, MRS., (1930) A.B., A.M.
Assistant Professor of English 803 Second Street
- WHITE, NEWMAN IVEY, (1919) A.B., A.M., Ph.D.
Professor of English 803 Second Street
- WIDGERY, ALBAN GREGORY, (1930) B.A., M.A.
Professor of Philosophy St. Catherine, Pinecrest Road
- WILBUR, RALPH SYDNEY, (1933) B.S. in M.E., M.E.
Professor of Mechanical Engineering 1018 Demerius Street
- WILLIAMS, JAMES WESLEY, (1937) A.B., B.S. in C.E.
Instructor in Civil Engineering 206 Swift Avenue
- WILSON, ALICE ROBINSON, MRS., (1939) A.B., M.A.
Instructor in Fine Arts 818 Second Street
- WILSON, FREDERICK ELIPHAZ, (1923) A.B., A.M.
Assistant Professor of German 1020 Demerius Street
- *WILSON, JOHN WOODROW, (1940) B.S., Ph.D.
Instructor in Zoology 1004 Monmouth Avenue
- WILSON, ROBERT NORTH, (1910) A.B., M.S.
Professor of Chemistry 822 Third Street
- WILSON, ROBERT RENBERT, (1925) A.B., A.M., Ph.D., LL.D.
Professor of Political Science 717 Anderson Street
- WISE, NANCY BOWMAN, (1937) A.B., M.D.
Associate and James A. Greene Research Fellow in Medicine University Apartments

† Resigned, June 30, 1943.

* On active duty, U. S. Army.

- WOLF, FREDERICK ADOLPHUS, (1927) A.B., A.M., Ph.D.
Professor of Botany 924 Urban Avenue
- *WOODHALL, BARNES, (1937) A.B., M.D.
Assistant Professor of Surgery in charge of Neurosurgery Duke Hospital
- WOODY, ROBERT HILLIARD, (1929) Ph.B., A.M., Ph.D.
Assistant Professor of History 2648 University Drive
- YOUNG, EDWARD HUDSON, (1923) A.B., A.M.
Assistant Professor of Romance Languages 10 Beverly Apartments
- YOUNGSTROM, KARL ARDEN, (1937) A.B., M.A., Ph.D.
Associate in Anatomy 2301 Sprunt Street
- ZENER, KARL EDWARD, (1928) Ph.B., A.M., Ph.D.
Associate Professor of Psychology Sparger Road
-
- AYRES, ERLE BINGHAM, (1941) S.B., A.M.
Instructor (Part-time) in Chemistry 2109 Chapel Hill Road
- BATCHELDER, MARION FRANCIS, (1930) R.N.
Instructor in Nursing Administration and Supervision Duke Hospital
- BRYSON, EDWIN CONSTANT, (1942) LL.B.
Instructor (Part-time) in Economics 1023 Sycamore Street
- CHAFFIN, NORA CAMPBELL, (1936) A.B., A.M., Ph.D.
Instructor (Part-time) in History Bassett House
- HOLMES, REID THOMAS, (1942) A.B.
Instructor (Part-time) in Economics 2306 Erwin Road
- KNIGHT, WALTER DAVID, (1943) A.B.
Instructor in Physics Duke University
- MILLER, CHARLES HENDERSON, (1942) A.B., LL.B.
Instructor (Part-time) in Economics 2108 Club Boulevard
- NAU, WALTER THEODORE, (1942) A.B., A.M.
Instructor in German Duke University
- PIRKLE, EVA ANN, (1943) A.B.
Instructor (Part-time) in Mathematics Duke University
- WEITH, A. JAMES, (1941) A.B., A.M.
Instructor (Part-time) in Chemistry Duke University

RESEARCH ASSOCIATES

- BRESLOW, DAVID SAMUEL Chemistry Durham, N. C.
 B.S., College of the City of New York; Ph.D., Duke University
- DARKIS, FREDERICK RANDOLPH Chemistry 1211 Alabama Avenue
 B.S., M.S., Ph.D., University of Maryland
- DAVIS, ROSE M. Chemistry Durham, N. C.
 B.A., Ph.D., Duke University

INSTRUCTIONAL ASSISTANTS

- ALTER, ROBERT LEONHARDT, (1939) M.D.
Assistant in Obstetrics and Gynecology Duke Hospital
- *ANDERSON, RAYMOND BURK, (1941) A.B., M.D.
Assistant in Pediatrics Duke Hospital
- BABCOCK, KENWARD OLIVER, (1942) A.B., M.D.
Assistant in Pathology Duke Hospital

* On active duty, U. S. Army.

BEARD, DOROTHY WATERS, (1938) R.N. <i>Research Assistant in Experimental Surgery</i>	Hillsboro, N. C.
BENBOW, EDWARD PERRY, JR., (1941) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
*BRANNING, WILLIAM STERRY, (1940) B.S., A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
*BROWN, IVAN WILLARD, JR., (1940) B.S., M.D. <i>Assistant in Pathology</i>	Duke Hospital
BRYSON, EDWIN CONSTANT, (1931) LL.B. <i>Assistant in Legal Aid Clinic</i>	1023 Sycamore Street
CARROLL, R. CHARMAN, (1940) A.B., M.D. <i>Assistant in Psychiatry</i>	Duke Hospital
COOPER, GERALD RICE, (1942) A.B., M.A., Ph.D. <i>Research Associate in Experimental Surgery</i>	2105 Chapel Hill Road
CRAIG, JANE STANLEY, (1938) A.B. <i>Research Assistant in Anatomy</i>	919 Monmouth Avenue
DAVIS, CLARENCE DANIEL, (1942) S.B., M.D. <i>Fellow in Endocrinology</i>	2304 Erwin Road
DAVISON, ATALA THAYER SCUDDER, (1942) A.B., M.D. <i>Assistant in Pediatrics</i>	Hope Valley
DUBIN, ISADORE NATHAN, (1942) B.S., M.D., C.M. <i>Assistant in Pathology</i>	Duke Hospital
EDGERTON, GLENN SONDEERS, (1942) B.S., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
EDWARDS, JOSEPH PHILIP, (1942) <i>Laboratory Technician in Electrical Engineering</i>	2115 Englewood Avenue
*EDWARDS, LINUS MATTHEW, JR., (1940) D.D.S. <i>Assistant in Dentistry</i>	Duke Hospital
ERICKSON, JOHN OTTO, (1939) B.S. <i>Research Assistant in Biochemistry</i>	Duke Hospital
GILBERT, GEORGE GAYLAND, (1939) B.S., M.D. <i>Assistant in Urology</i>	1500 Duke University Road
GOETSCH, MARGARET LOUISE, (1942) A.B., M.D. <i>Assistant in Pediatrics</i>	Duke Hospital
GOODMAN, ELIZA DOROTHY, (1934) R.N., Anes. <i>Assistant in Anesthesia</i>	407 Cook Street
GOODMAN, ERASTUS GENAIR, JR., (1940) M.D. <i>Assistant in Medicine</i>	Duke Hospital
*HIATT, JOSEPH SPURGEON, JR., (1940) A.B., M.D. <i>Assistant in Medicine</i>	Duke Hospital
*HOLLISTER, WILLIAM FREDWIN, (1938) M.D. <i>Assistant in Surgery</i>	Duke Hospital
HUFF, JESSE W., (1940) B.S. <i>Nutrition Foundation Fellow in Biochemistry</i>	Duke Hospital
JOHANNESSON, KRISTJAN, (1942) M.D. <i>Rockefeller Foundation Fellow in Medicine</i>	Duke Hospital

* On active duty, U. S. Army.

- JOHNSON, LAWRENCE CLIFFORD, (1940) B.A.
Fellow in Sociology Duke Hospital
- KAMIN, HENRY, (1940) B.S.
Research Assistant in Biochemistry Duke Hospital
- *KERNODLE, HAROLD BARKER, (1939) M.D.
Assistant in Surgery Duke Hospital
- KERNODLE, JOHN ROBERT, (1942) A.B., M.D.
Assistant in Pathology Duke Hospital
- KNIGHT, ALTON J., (1938) A.B., LL.B.
Assistant in Legal Aid Clinic Carver Street (Ext.)
- KRISTOFERSSON, KRIDRIK, (1942) M.D.
Rockefeller Foundation Fellow in Medicine Duke Hospital
- *LINCICOME, ROBERT CARL, (1939) M.D.
Assistant on Private Medical Service Duke Hospital
- LOVELL, DURWARD LEE, (1937) M.D.
Assistant in Surgery 1115 W. Chapel Hill Street
- *McCULLOCH, RUDOLPH POWERS, (1941) A.B., M.D.
Assistant in Student Health Duke Hospital
- McLEAN, RUTH, (1942) A.B., A.M.
Research Associate in Bacteriology 506 Buchanan Boulevard
- MARGOLIS, GEORGE, (1940) A.B., M.D.
Assistant in Pathology Duke Hospital
- MASON, MARY LOCHER, MRS., (1931) Diploma in Fine Arts, Teachers College,
Columbia University
Assistant in Education Route No. 2, Durham, N. C.
- MEIRA, JAO ALVES, (1942) B.A., M.D.
Rockefeller Foundation Fellow in Medicine Duke Hospital
- MILLER, CHARLES HENDERSON, (1934) A.B., LL.B.
Assistant in Legal Aid Clinic 2108 Club Boulevard
- NEILL, ROBERT GLEVE, (1942) A.B., M.A., M.D.
Assistant in Surgery 1500 Duke University Road
- *NEWMAN, GLENN CARRAWAY, (1939)
Assistant in Medicine Duke Hospital
- NICHOLSON, FRANCIS, (1942) B.S., M.D.
Assistant in Surgery Duke Hospital
- PARRISH, ALBERT ARCHER, (1939) A.B., M.D.
Assistant in Urology 1002 Lamond Avenue
- PRINDLE, RONALD EDON, (1942) B.A., M.D.
Assistant in Otolaryngology and Ophthalmology 2308 Erwin Road
- RANDELL, ELISABETH CATHERINE, (1942) M.B., B.S.
Assistant in Biochemistry Duke Hospital
- ROSS, IRA STANLEY, (1939) A.B., M.D.
Assistant in Neuropsychiatry Duke Hospital
- SALMON, A. AUSTIN, (1941) B.S.
Research Fellow in Endocrinology 1309 Alabama Avenue
- *SCHANHER, PAUL WELSTEAD, JR., (1939) B.A., M.D.
Assistant in Surgery Duke Hospital

* On active duty, U. S. Army.

SCHLAYER, CLOTILDE, (1937) Ph.D. <i>Research Assistant in Medicine</i>	Duke Hospital
SIMPSON, PAUL ERVIN, (1941) A.B., M.D. <i>Assistant in Obstetrics and Gynecology</i>	Duke Hospital
SINGLETON, MARY CLYDE, (1940) B.S., P.T. <i>Assistant in Physiotherapy</i>	Duke Hospital
SMITH, PRESTON WILLIAM, (1932) <i>Assistant in Clinical Microscopy</i>	114 E. Seeman Street
SMITH, STEDMAN WEST, (1941) A.B., M.D., C.M. <i>Assistant in Obstetrics and Gynecology</i>	2507 Chapel Hill Road
TRENT, JOSIAH CHARLES, (1939) A.B., M.D. <i>Assistant in Surgery</i>	2318 Club Boulevard
TUDOR, RICHARD BERESFORD, (1941) A.B., M.D. <i>Assistant in Pediatrics</i>	1107 Watts Street
TURNER, LARRY, (1942) A.B., M.D. <i>Assistant in Otolaryngology and Ophthalmology</i>	Duke Hospital
VASQUEZ, MAXIMO SCHEPELER, (1941) A.B., M.D. <i>Pan-American Sanitary Bureau Fellow in Pediatrics</i>	Duke Hospital
WEEKS, KENNETH DURHAM, (1942) B.S., M.D. <i>Assistant in Medicine</i>	Duke Hospital
WELLS, WARNER LEE, (1938) M.D. <i>Assistant in Surgery</i>	2703 Legion Avenue
WILSON, DAVID ALEXANDER, (1942) B.A., M.A., M.D. <i>Assistant in Surgery</i>	Duke Hospital
WILSON, JAMES MAZYCK, (1938) A.B., M.D. <i>Assistant in Obstetrics and Gynecology</i>	818 Buchanan Road

INSTRUCTIONAL ASSISTANTS IN PHYSICAL EDUCATION
TRINITY COLLEGE

CALDWELL, HERSCHEL, (1930) <i>Instructor in Physical Education; Coach of Freshman Sports</i>	1023 Markham Avenue
CARD, WILBUR WADE, (1902) A.B. <i>Instructor in Physical Education</i>	1110 Minerva Avenue
CHAMBERS, ROBERT LUTHER, (1933) B.S. in Ed. <i>Instructor in Physical Education; Head Coach of Varsity Track</i>	2311 Prince Street
COOMBS, JOHN WESLEY, (1929) B.S. <i>Instructor in Physical Education; Head Coach of Varsity Baseball</i>	Faculty Apartments
COX, ROBERT CALVIN, (1942) A.B., M.A. <i>Instructor in Physical Education; Assistant in Football</i>	709 Shepherd Street
CRICHTON, MARSHALL, (1931) <i>Instructor in Golf</i>	Hope Valley
*DEAN, DAYTON ROBERT, (1931) A.B. <i>Business Manager of Athletics</i>	2207 Pershing Street

* On active duty, U. S. Navy.

- *FOGLEMAN, WILLIAM HARRY, (1935) A.B.
Instructor in Physical Education; Coach of Tennis 2417 Farthing Street
- GERARD, KENNETH, (1931) B.S.
*Instructor in Physical Education;
 Director of Intramural Sports* 1209 North Duke Street
- HAGLER, ELLIS, (1930) A.B.
*Instructor in Physical Education; Coach of
 Varsity Golf; Assistant Coach of Football* 220 Forest Wood Drive
- *LEWIS, HUBERT MURRY, (1937) B.S.
Assistant Instructor in Physical Education and Track Duke University
- *MONTFORT, ROBERT, (1940) B.A.
Assistant Instructor in Physical Education Duke University
- PERSONS, WALTER, (1930) A.B.
*Instructor in Physical Education; Coach of Swimming;
 Coach of Lacrosse* 612 Swift Avenue
- POTTER, HARVEY L., (1940) B.A.
*Instructor in Physical Education;
 Coach of Wrestling* 2200 University Drive
- STANLEY, DENNIS KEITH, (1939) A.B.E., M.Ed.
*Instructor in Physical Education; Assistant
 Coach of Football* University Apartments

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Head Cataloguer 1023 Monmouth Avenue
-
- COVINGTON, LENA, A.B., A.B. in L.S.
Head Classifier 1023 Monmouth Avenue
- GREENE, JANE, A.B., B.A. in L.S.
Head Order Librarian 1004 West Trinity Avenue

* On active duty, U. S. Army.

† On leave, War Industry Service.

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Head Serials Librarian N 2-A University Apts.
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Bibliographer and Secretary to the Chief of Accessions 2105 Club Boulevard
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Descriptive Cataloguer 316 N. Elizabeth Street
- CANADA, MARY WHITFIELD, A.B., M.A.
Assistant, Circulation Department 1311 Second Street
- CLINE, JOHN
Assistant, Circulation Department 405 S. Alston Avenue
- COPLEY, HILDA
Assistant in charge, Work Room 1005 Sixth Street
- COX, MRS. EVA WOODALL, A.B.
Librarian in charge, Divinity School Library No. 4 Allenton Apts.
- COX, VIRGINIA E., A.B.
Librarian in charge, Chemistry Library 1017½ Gloria Avenue
- DOLLAR, MRS. ANNABELLE
Assistant, Work Room 1609 Englewood Avenue
- DOUGLAS, ELINOR, A.B., M.A.
Assistant, Periodical Room 2114 Myrtle Avenue
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Accessions Librarian 1314 Broad Street
- DUKE, MRS. KENNETH L.
Secretary to the University Librarian 701 Club Boulevard
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Librarian in charge, Undergraduate Reading Room 1107 Watts Street
- FREDERICK, MARION, A.B.
Assistant, Serials Section Y. W. C. A.
- FREY, ELLEN, B.A., M.A.
Undergraduate Reference Librarian and Curator of Rare Books 819 Third Street
- GOODWIN, NOMA LEE, A.B.
Assistant, Manuscript Department Roxboro Road
- HARRIS, MRS. BERNICE M.
Assistant, Descriptive Cataloguing Section Duke University

HOCKMAN, MRS. CHARLOTTE FREY <i>Assistant, Order Section</i>	819 Third Street
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MONTAGUE, MARGARET, A.B. <i>Assistant, Serials Section</i>	206 Parrish Place
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SCARLETT, DORA PAGE, A.B. <i>Assistant, Order Section</i>	922 Englewood Avenue
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SHUFORD, MARY OPAL, A.B., A.B. in L.S. <i>Bibliographer and Descriptive Cataloguer</i>	805 Sixth Street
SNIPES, ELIZABETH B., A.B. <i>Assistant, Undergraduate Reading Room</i>	1011 Monmouth Avenue
TAGGART, EMMA LOU, A.B., B.S. in L.S. <i>Reference Librarian and Service Cataloguer</i>	1001 Monmouth Avenue
THARPE, JOSEPHINE M., A.B., B.S. in L.S., M.A. in L.S. <i>Documents Librarian</i>	1023 Markham Avenue
UNGREN, MRS. A. K., A.B. <i>Assistant, Descriptive Cataloguing Section</i>	Duke University
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WILKERSON, RUTH <i>Assistant, Subject Cataloguing</i>	909 Markham Avenue

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PARKER, ENID, A.B., M.A., Ph.D., B.A. in L.S. <i>Periodicals Librarian</i>	307 Faculty Apartments

SHEPARD, ELIZABETH, A.B., A.B. in L.S.
Cataloguer

703 Watts Street

TILLET, MARGARET S., A.B., A.B. in L.S.
Circulation Librarian

112 West Seeman Street

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Librarian

2410 West Club Boulevard

†COVINGTON, MARY SIMMONS, A.B., LL.B.
Research Librarian

Faculty Apartments

DAY, KATHERINE, B.S.
Assistant Cataloguer

512 Watts Street

LONG, MARIANNA, A.B., B.S. in L.S.
Head Cataloguer

1023 Monmouth Avenue

MEDICAL SCHOOL LIBRARY

FARRAR, JUDITH, A.B., B.S.
Librarian

177 Faculty Apartments, East Campus

UNIVERSITY CHAPEL

HICKMAN, FRANKLIN SIMPSON, A.B., A.M., S.T.B., Ph.D.
Dean of the Chapel

823 Buchanan Road

BARNES, JAMES FOSTER, A.B., A.M.
Director of Choral Music

2401 Cranford Road

BREES, ANTON
University Carillonneur

Duke University

BROADHEAD, EDWARD HALL, A.B., A.M., M.M.
University Organist

1015 Dacian Avenue

BABCOCK, FARRAR JEANNE, A.B.
Assistant in Religious Activities, Woman's College

203 Watts Street

MACKAY, DONALD MASON, A.B.
Assistant in Religious Activities

Duke University

PHYSICAL EDUCATION AND STUDENT HEALTH

‡WADE, WALLACE, A.B.
Director of Physical Education, Trinity College

West Campus

CAMERON, EDMUND McCULLOUGH, A.B.
Acting Director of Physical Education, Trinity College

Hope Valley

* Absent on leave, Government Service.

† Absent on leave, 1942-1943.

‡ On active duty, U. S. Army.

GROUT, JULIA REBECCA, A.B., M.S. <i>Assistant Professor of Physical Education, Woman's College</i>	205 Jones Street
SPEED, JOSEPH ANDERSON, M.D. <i>Director of Student Health</i>	913 Dacian Avenue
PAGE, WRAY RAMSEY, MRS., R.N. <i>Resident Nurse</i>	East Campus Infirmary
VESTAL, MOZELLE, R.N. <i>Resident Nurse</i>	East Campus Infirmary

MUSICAL ACTIVITIES

BARNES, JAMES FOSTER, A.B., A.M. <i>Director of Men's Glee Club</i>	2401 Cranford Road
BARNES, MRS. JAMES FOSTER <i>Director of the Woman's College Musical Clubs</i>	2401 Cranford Road
*FEARING, ROBERT BEVERIDGE <i>Director of the College Orchestras and Band</i>	410 Watts Street

RESIDENCE AND SOCIAL DIVISION

WILSON, MARY GRACE, A.B. <i>Dean of Residence, Woman's College; Counselor, Brown House</i>	Brown House
DITLEVSON, ARLINE, A.B., A.M. <i>Assistant to Dean of Residence; Counselor, Aycock House</i>	Aycock House
PEMBERTON, MRS. MARY NORCOTT <i>Hostess, West Campus</i>	West Campus Union
BARNES, EVELYN, B.S. <i>Counselor, Alsbaugh House</i>	Alsbaugh House
CHAFFIN, NORA CAMPBELL, A.B., A.M., Ph.D. <i>Counselor, Bassett House</i>	Bassett House
HULL, ALMA, A.B. <i>Counselor, Pegram House</i>	Pegram House
TAYLOR, MRS. HARRIET <i>Counselor, Giles House</i>	Giles House
WELLBORN, MARY MOSS <i>Counselor, Jarvis House</i>	Jarvis House
POWELL, VIRGINIA, B.S. <i>Dietitian, the Union, West Campus</i>	214 Swift Avenue
OLIVER, MRS. HELEN <i>Dietitian, the Union, East Campus</i>	Corner Fairview and Wells Streets
NORWOOD, MRS. G. D. <i>Dietitian, Southgate Hall</i>	204 Watts Street
BORING, MRS. HAL <i>Supervisor of Dormitories, West Campus</i>	115 Watts Street

* On active duty, U. S. Army.

HOOKE, MRS. MARY R. <i>Supervisor of Dormitories, East Campus</i>	Powe Apartments, Buchanan Road
LEA, MRS. BEULAH C. <i>Supervisor of Dormitories, West Campus</i>	1920 Chapel Hill Road
LONG, MRS. R. T. <i>Supervisor of Dormitories, West Campus</i>	705 Shepherd Street
MARTIN, MRS. LILLY SLADE <i>Supervisor of Dormitories, West Campus</i>	2011 Woodrow Street
WEGENER, MRS. MARY E. <i>Supervisor of Dormitories, East Campus</i>	Powe Apartments, Buchanan Road
ALDRIDGE, FRED SOULE, A.B., A.M. <i>Chaplain of Duke Hospital and Director of the Golden Cross</i>	East Campus

FELLOWS AND GRADUATE ASSISTANTS

UNIVERSITY FELLOWS

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
BARNES, GEORGE HECTOR B.Sc.F., University of Washington; M.S., University of California	Forestry	Durham, N. C.
BAUMGARTEN, ERWIN B.S., California Institute of Technology; A.M., University of California at Los Angeles	Chemistry	Pasadena, Calif.
GRANA, CESAR SORIA A.B., University of Lima	History	Lima, Peru
*KOZLOWSKI, THEODORE THOMAS B.S., Syracuse University; A.M., Duke University	Forestry	Buffalo, N. Y.
LINSCHITZ, HENRY B.S., College of the City of New York; A.M., Duke University	Chemistry	New York, N. Y.
MAGALHAES, HULDA B.S., New Jersey College for Women; A.M., Mount Holyoke College	Zoology	Hopewell, N. J.
MASSEY, CALVIN LE ROY B.S., Colorado State College; A.M., Duke University	Forestry	Durham, N. C.
MOSER, HAROLD EUGENE B.S., Johns Hopkins University; A.M., Columbia University	Education	Frederick, Md.
MUNGER, BERNARD VERNON A.B., Washburn Municipal University; B.D., Chicago Theological Seminary	Religion	Smith Center, Kan.
SAUNDERS, ERNEST WILLIAM B.S. in R.E., S.T.B., Boston University	Religion	Durham, N. C.
SOODAK, HARRY B.S., College of the City of New York; A.M., Columbia University	Physics	Bronx, N. Y.
WELLWOOD, ROBERT WILLIAM B.A.Sc. in F.E., University of British Columbia; M.F., Duke University	Forestry	Victoria, B. C., Canada

GRADUATE RESEARCH ASSISTANTS

DEAL, CARL HOSEA, JR. B.S., Duke University	Chemistry	Salisbury, N. C.
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* Resigned, November 1, 1942.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
FIELD, FRANK HENRY B.S. Duke University (to be conferred May, 1943)	Chemistry	Edgewater, N. J.
FREISER, HENRY B.S., College of the City of New York; M.A., Duke University	Chemistry	New York, N. Y.
GILBERT, ALFRED RACHELS B.S., University of Richmond	Chemistry	Richmond, Va.
HOLUB, FREDERICK FRANK B.S., Western Reserve University	Chemistry	Cleveland, Ohio
KITTLA, RICHARD S. B.Chem., University of Minnesota	Chemistry	Ely, Minn.
RAPOPORT, LORENCE A.B., Harvard University	Chemistry	Hartford, Conn.
SCHERAGA, HAROLD ABRAHAM B.S., College of the City of New York; M.A., Duke University	Chemistry	Brooklyn, N. Y.
TARRANT, PAUL B.S., Howard College; M.S., Purdue University	Chemistry	Birmingham, Ala.
TOMPSON, READE YATES B.S., Brown University	Chemistry	Attleboro, Mass.
YOST, ROBERT STANLEY B.S., Pennsylvania State College	Chemistry	Pottsville, Pa.

GRADUATE ASSISTANTS

ADAMS, JOE TAYLOR B.S., Southern Methodist University	Chemistry	Dallas, Tex.
AMORE, SALVATORE THOMAS A.B., Brooklyn College; A.M., Duke University	Chemistry	Brooklyn, N. Y.
BARTON, ELEANOR PHILLIPS A.B., Woman's College of U. N. C.; A.M., Columbia University	Zoology	Greensboro, N. C.
BASS, ARNOLD M. B.S., College of the City of New York	Physics	New York, N. Y.
BEVAN, WILLIAM, JR. A.B., Franklin and Marshall College	Psychology	Wilkes-Barre, Pa.
BINNS, ELIZABETH FEARY A.B., Florida Southern College; A.M., Duke University	English	Winter Haven, Fla.
BLOOM, MELVIN SIGMUND B.S., Furman University	Chemistry	Greenville, S. C.
BOLLENS, JACK CONSTANTINUS A.B., College of Wooster	Political Science	Pittsburgh, Pa.
*BRYAN, GEORGE COCHRANE A.B., Williams College	Political Science	Durham, N. C.
BRYAN, WILLIAM ALFRED A.B., College of Charleston; A.M., Duke University	English	Sumter, S. C.
BUCHANAN, EDITH A.B., Meredith College	English	Cullowhee, N. C.
CHAO, SHIH HUI A.B., Fu Jen University	Sociology	Peiping, China

* Resigned, March 5, 1943.

|| Resigned, February 25, 1943.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
CHESNUT, DORIS RAY B.S., Farmville State Teachers College	Political Science	Durham, N. C.
*CLARK, MARTHA LOUISE B.S., Sweet Briar College	Zoology	Lynchburg, Va.
†DEAL, CARL HOSEA, JR. B.S., Duke University	Chemistry	Salisbury, N. C.
‡DIAMOND, STANLEY STUART A.B., University of Wichita; A.M., Haverford College	Political Science	Wichita, Kan.
¶EARLY, BENJAMIN WEISIGER A.B., A.M., University of Virginia	English	Richmond, Va.
‡EDMESTON, RHODA CHRISTENA A.B., University of Denver; A.M., Ph.D., Boston University	Romance Languages	Blyth, Ontario, Canada
FRAZIER, KATHRYN ELEANOR B.S., New Jersey State Teachers College at Glassboro	Education	Haddonfield, N. J.
FRIES, JEAN NEVIN A.B., Wilson College	English	Chambersburg, Pa.
HARTLEY, HOPE CARLIN A.B., University of Wisconsin	Botany	Washington, D. C.
HERTZ, HILDA A.B., Skidmore College	Sociology	Los Angeles, Calif.
‡HICKEY, ROBERT LOUIS B.S., East Tennessee State Teachers College; A.M., Duke University	English	Johnson City, Tenn.
‡HUNTER, CHARLOTTE ELIZABETH A.B., Agnes Scott College	English	Decatur, Ga.
HUNTLEY, ARTHUR GENE A.B., Willamette University	Economics	Salem, Ore.
JORDAN, CHARLES DANIEL A.B., East Carolina Teachers College; A.M., George Peabody College	Zoology	Greenville, N. C.
KAO, KATHERINE CHUN CH'UN A.B., A.M., Yenching University	Psychology	Peiping, China
KARR, MARY FRANCES B.S.Ed., University of Akron	Education	Akron, Ohio
KINSMAN, MARGARET ELEANOR A.B., MacMurray College	History	Saybrook, Ill.
KNIGHT, WALTER DAVID, JR. A.B., Middlebury College	Physics	Newton Centre, Mass.
LAUDERDALE, RICHARD LYNN A.B., Millsaps College	Economics	Jackson, Miss.
LEVINE, ROBERT A.B., A.M., Dartmouth College	Chemistry	East Boston, Mass.
§LIVINGSTON, MARTHA ALIDA COMSTOCK A.B., Smith College	Botany	Lynn, Mass.

* Resigned, January 23, 1943.

† First semester only.

¶ Resigned, January 18, 1943.

‡ Second semester only.

|| Resigned, November 30, 1942.

§ Resigned, March 15, 1943.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
*LOVELAND, CLARA OLDS A.B., Wellesley College; A.M., Divinity School	Religion Columbia University;	Glendale, Ohio B.D., Berkeley
LUBORSKY, LESTER BERNARD A.B., Temple University	Psychology	Philadelphia, Pa.
LYONS, RICHARD EDWIN A.B., University of Buffalo	Physics	Buffalo, N. Y.
MCANDREW, FLORENCE HELTON A.B., Mary Baldwin College; A.M.,	Psychology Northwestern University	Chicago, Ill.
MARTIN, MARY MERCEDES A.B., Marshall College	Psychology	Huntington, W. Va.
MEDDING, MARY ELIZABETH A.B., University of Chattanooga	Romance Languages	Memphis, Tenn.
MILLER, VIVIAN LORELEI A.B., Brooklyn College	English	Brooklyn, N. Y.
MORRIS, CLARA JUANITA A.B., Berea College	Economics	Benham, Ky
OGLESBY, ROSCOE RALPH A.B., Georgetown College; A.M.,	Political Science University of Virginia	Lynchburg, Va.
PARKS, ELIZABETH MIRIAM A.B., Grinnell College	English	Denver, Colo.
PATRICK, CLARENCE HODGES A.B., Wake Forest College; B.D.,	Sociology Andover Newton Theological School	Durham, N. C.
PIRKLE, EVA ANN A.B., Agnes Scott College	Mathematics	Decatur, Ga.
§PO-CHEDLEY, DONALD STEPHEN B.S., Canisius College	Zoology	Buffalo, N. Y.
POHL, MARIAN EVELYN B.S., Duke University	Zoology	Trenton, N. J.
*RAPPAPOORT, LEAH JANE A.B., Queens College	English	Hollis, N. Y.
RICHARDS, CLAUD HENRY, JR. A.B., Texas Christian University; A.M.,	Political Science Duke University	Fort Worth, Tex.
†ROGERS, HOLLIS JETTON B.S., Murray State Teachers College; M.S.,	Botany University of Kentucky	Stearns, Ky.
ROSS, WILLIAM DEE, JR. A.B., Millsaps College	Economics	Crystal Springs, Miss.
SCHAEGLER, FRANCES ANN CRAGHEAD A.B., Randolph-Macon Woman's	Latin College; A.M., Duke University	Lynchburg, Va.
‡SCHERAGA, HAROLD ABRAHAM B.S., College of the City of New York; A.M.,	Chemistry Duke University	Brooklyn, N. Y.
¶SCHNEIDER, LEONARD STANLEY A.B., A.M., Pennsylvania State College	Economics	Pittsburgh, Pa.

* Second semester only.

|| Resigned, January 20, 1943.

§ Resigned, November 30, 1942.

† Resigned, December 19, 1942.

‡ First semester only.

¶ Resigned, October 31, 1942.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
SHIVERS, JOSEPH CLOIS, JR. B.S., Duke University	Chemistry	Riverton, N. J.
SMITH, EDWIN STUDLEY B.S., Furman University	Chemistry	Durham, N. C.
SPENCER, RALPH EDWIN B.S., University of Utah	Economics	Salt Lake City, Utah
STALLCUP, MARY JANE B.S., Duke University; A.B.L.S., Emory University	Physics	St. Petersburg, Fla.
TAYLOR, DONALD LAVOR B.S., M.S., Utah State Agricultural College	Sociology	Ephraim, Utah
‡WAGGONER, BROOKS MILTON A.B., University of Arkansas; B.D., Duke University	Religion	Stillwell, Okla.
WEAVER, JAMES FREDERICK B.S., M.S., Bucknell University	Education	Lemoyne, Pa.
WIGGINS, ELIZABETH LEWIS A.B., Winthrop College; A.M., Duke University	English	Holly Hill, S. C.
WIMBERLY, ROSAMONDE RAMSAY A.B., A.M., University of South Carolina	Sociology	Spartanburg, S. C.
WISSOW, LENNARD JAY B.S., Pennsylvania State College	Chemistry	Philadelphia, Pa.

GRADUATE SCHOLARS

BAKER, MAURY DAVISON, JR. A.B., University of Miami	History	Richmond, Va.
BUSSELL, WILSIE FLORENCE A.B., A.M., Duke University	Romance Languages	Durham, N. C.
CANDLER, FRANCES GODFREY A.B., Randolph-Macon Woman's College	History	Madison, Ga.
COME, DONALD ROBERT A.B., Michigan State College	History	Lansing, Mich.
‡HENDERSON, HAROLD LEROY A.B., A.M., University of Kansas City	History	Oelwein, Iowa
HIXSON, IVY MAY A.B., University of Georgia; A.M., University of North Carolina	Latin	Augusta, Ga.
LIEB, RUTH MARJORIE A.B., Queens College	English	Queens, N. Y.
LOVING, GRACE EVELYN A.B., Woman's College of U. N. C.	English	Drakes Branch, Va.
MILLER, WILLIAM DURELL A.B. in Ed., University of Florida	History	Jacksonville, Fla.
MURRAY, ELLEN FENTON University of St. Andrews; A.M., University of Georgia	History	East Point, Ga.
*SALLEY, CLAUDIA LOUISE A.B., University of Tennessee	History	Hendersonville, N. C.

‡ Resigned, January 23, 1943.

* Appointed, January 25, 1943.

<i>Name</i>	<i>Department</i>	<i>Home Address</i>
SAMUELS, OLGA LENORE A.B., Hunter College	Romance Languages	New York, N. Y.
TURNER, ANNE CLARA A.B., University of Georgia; A.M., Duke University	Latin	Albany, Ga.
WALKER, NELLE WILLIS A.B., Randolph-Macon Woman's College	History	Walhalla, S. C.
WARLICK, GEORGE CLIFTON, JR. A.B., Lenoir Rhyne College	Economics	Hickory, N. C.
WEITH, ARCHIE JAMES, JR. A.B., A.M., Duke University	Chemistry	Caldwell, N. J.
†WERBEL, BURTON A.B., New York University; A.M., Duke University	Chemistry	Newark, N. J.

|| Resigned, January 19, 1943.

† Resigned, January 20, 1943.

UNDERGRADUATE COLLEGES

Trinity College
The Woman's College
The College of Engineering

1942-1943
ANNOUNCEMENTS FOR 1943-1944

THE COLLEGES

GENERAL STATEMENT

Duke University offers in Trinity College, the Woman's College, and the College of Engineering three academic degrees for undergraduate work: Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Civil, Electrical, or Mechanical Engineering.

TRINITY COLLEGE

Trinity College is the undergraduate college of arts and sciences for the men of Duke University and is situated on the West Campus along with the Graduate School of Arts and Sciences, the School of Law, the School of Medicine, the School of Nursing, the School of Forestry, and the Divinity School.

THE WOMAN'S COLLEGE

The Woman's College of Duke University is a college of arts and sciences within the University which provides for the instruction of undergraduate women as Trinity College provides for the instruction of undergraduate men.

THE COLLEGE OF ENGINEERING

Duke University, through the College of Engineering, offers standard four-year courses in civil, electrical, and mechanical engineering, with an aeronautics option for mechanical engineers.

THE LIBRARIES

The library resources of the University total 659,050 volumes, 817,753 manuscript pieces, and 1,421 books on microfilm. Sixty-six foreign and domestic newspapers and 2,110 periodicals are received currently.

The University Library, in which the bulk of the collection is housed, is centrally located on the West Campus. The main Reference and Reading Room on the second floor contains about 5,000 volumes of important reference works and the books on reserve for senior-graduate courses. The Undergraduate Reading Room on the first floor contains a specially selected collection of books for general undergraduate reading and reference, together with the books on reserve for undergraduate courses. The Documents Room on the second floor gives students access to the official publications of the federal and state governments. Seniors, honor students, and others undertaking special studies may be admitted to the stacks to facilitate their work. Libraries in the Chemistry, Physics, Biology, College of Engineering, and Divinity School buildings are a special convenience for students in these fields.

The Woman's College Library, which is one of the dominant units of the Georgian architecture of the East Campus, contains approximately 54,138 volumes. Among these are the books most constantly needed in the undergraduate work of women students. An attractive feature of the Library is the Booklovers' Room, comfortably furnished, where on open shelves students may find the newest books in various fields.

Undergraduate students also have free access to the library collections of the Medical and Law Schools.

NAVAL RESERVE OFFICERS' TRAINING CORPS

The primary object of the Naval Reserve Officers' Training Corps is to provide systematic instruction and training in essential naval subjects for a group of selected students so that they may be qualified and available for duties as deck officers in the United States Navy. The work supplements other courses taken in the University.

Admission

Enrollment in the Naval Reserve Officers' Training Corps is entirely voluntary. Selection will be made from those students of the Freshman Class who are enrolled in V-12 U. S. Navy College Program, after the completion of two semesters of college work under that program. Selection will be based on the academic work and the personality of the candidate. First selection will be made as of approximately March 1, 1944.

Outline of Course

The Department of Naval Science and Tactics is an integral part of the University, and the courses in Naval Science and Tactics are on the same level and receive the same form of credit toward graduation as other courses in the University.

The course in Naval Science and Tactics is a four-semester course, beginning at the completion of two semesters of Freshman work. Satisfactory completion of each semester's work is necessary for continuance in the Unit.

The study of Navigation and other subjects included as a part of the course requires a basic knowledge of mathematics, including algebra, plain and solid geometry, and plain trigonometry. The two semesters of Freshman work will cover the required mathematics.

Uniforms, Books, and Equipment

Students in the course are furnished complete uniforms by the Navy Department. Students, however, provide themselves such items as collars, white shirts, black socks, and black shoes.

All books and equipment that the student needs in the course are lent to him without cost. A deposit of \$10.00 is required of each student to cover lost or damaged equipment. This deposit, or as much of it as remains, will be returned when the student severs his relation with the Unit.

Draft Status

All students enrolled will be enlisted in the U. S. Naval Reserve, will be on active duty, will receive regular Navy pay of grade, and will be furnished housing, board, instruction, and medical attention at government expense. As members of the Naval Reserve they are exempt from the Selective Service and Training Act, but their stay in college is dependent upon satisfactory academic standing and good behavior, otherwise they will be sent to sea as apprentice seamen.

ADMISSION TO TRINITY COLLEGE AND THE WOMAN'S COLLEGE

Applicants may qualify for admission to Trinity College or the Woman's College as members of the Freshman Class or as students with advanced standing. Since the enrollment in the two colleges is limited, the Committee on Admissions will select the students who, in its opinion, are best qualified to benefit from the educational advantages which the colleges offer.

APPLICATION FOR ADMISSION

Application for admission to Trinity College should be made to the Secretary of Duke University, Duke Station, Durham, North Carolina, for transmittal to the Council on Admissions. Application for admission to the Woman's College should be made to the Committee on Admissions, College Station, Durham, North Carolina. Forms of application will be sent on request.

GENERAL REQUIREMENTS

Admission to Trinity College and to the Woman's College is dependent upon the ability, attainments, and character of the applicant. Each applicant must see that the Committee on Admissions receives a complete record of his work in secondary school or college, the required medical certificate, and satisfactory evidence of his good character and ability.

SPECIFIC REQUIREMENTS

An applicant for admission to the Freshman Class must present at least fifteen acceptable units of secondary school credit. A unit of credit is allowed for a subject of study pursued throughout an academic year at an accredited secondary school, if the course has demanded five recitations a week and the prescribed amount of work has been completed satisfactorily.

1. Twelve units must be in English, foreign language, history and social studies, mathematics, and natural science; and must include:
 - (a) English—3 units
 - (b) Algebra—1 unit
 - (c) Plane geometry—1 unit.
2. Three units may be in the subjects listed above or from those in the following table. The units indicate the maximum amount of credit acceptable in each subject:

SUBJECT	UNITS	SUBJECT	UNITS
Agriculture	2	Mechanical Drawing	2
Art	1	Music	1
Commercial Subjects	3	Physical Geography	1
Economics	1	Sociology	1
Household Economics	2	Woodworking, Machine Work.....	2

Other units offered in subjects not included in this list will be considered for acceptance on the basis of full statements transmitted with the applicant's record from the school recommending him.

ADMISSION BY CERTIFICATE

A graduate of an accredited school, who submits fifteen acceptable units of secondary school subjects, and is recommended by his principal, and otherwise meets the requirements of the Admissions Committee, may be admitted without examination. This certificate must be on blanks furnished by the College and signed by the principal of the school in which the applicant completed his course.

ADMISSION BY EXAMINATION

An applicant who presents fifteen acceptable units for admission from a nonaccredited school is required to validate these units by entrance examinations and such other tests as the College may prescribe.

ADMISSION WITH ADVANCED STANDING

A student of good character who has completed satisfactorily at least one full year of college work in an approved college may be admitted with advanced standing. He must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institutions, and have honorable dismissal from each institution previously attended. Credit for work completed will be determined in relation to the curriculum at Trinity College or the Woman's College.

A student enrolling for the Bachelor's degree who transfers from a junior college or from a four-year college not affiliated with the Southern Association, or a similar regional association, is under all circumstances required to continue for at least one semester in Trinity College or in the Woman's College the foreign language he presents for minimum graduation requirements.

A student who has transferred from a junior college or from a four-year college not affiliated with the Southern Association, or a similar regional association, must present laboratory notebooks in all science courses that are offered for advanced credit.

A student admitted with advanced standing will be given an average grade of "C" on the semester hours with which he is credited, provided his grades warrant it. In order to make his provisional classification final, he must pass during his first year of residence not less than the equivalent of four year-courses, with an average grade of "C" or higher.

The maximum amount of credit acceptable from a junior college is sixty semester hours.

No credit is given for work completed by correspondence and not more than six semester hours of credit are allowed for work done by extension. Any extension work accepted must be specifically approved by the Dean of the College.

ADMISSION FOR SPECIAL WORK

Upon the approval of the Dean, a student of mature age may be admitted for special work in such courses of instruction as he is qualified to take, but not as a candidate for a degree in a regular course unless he meets all requirements for admission.

READMISSION OF FORMER STUDENTS

A student who, following withdrawal from college, desires to return to the College, should apply to the Dean for readmission. If a student has completed during his absence from the College any undergraduate work in another institution of approved standing, he must submit an official transcript of this work, with a statement of honorable dismissal, from that institution.

PRELIMINARY TESTS AND EXAMINATIONS

During the orientation period all Freshmen are given placement tests in chemistry, English, mathematics, and the foreign language they are to take. On the results of these tests and general ability tests students are assigned to the proper sections of their respective academic subjects. Physical examinations are also given.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

GENERAL REGULATIONS

The requirements for the degree of Bachelor of Arts are designed to give the students such training in certain fundamental subjects as is essential for intelligent, educated citizens. The requirements also provide the opportunity for as wide an election as possible from courses of study which are both interesting and practically helpful in connection with vocations the students plan later to pursue.

Credit for one hundred and twenty semester hours on which an average grade of "C" must be made, is required for the degree of Bachelor of Arts in all groups. In addition to these requirements all candidates for the Bachelor of Arts must complete, with an average grade of "C" or better, physical education to the equivalent of six semester hours. In Trinity College the physical education requirement is completed by the end of the Sophomore year; in the Woman's College, by the end of the Junior year.

The Faculty has authorized the groups of studies below for the guidance of students in selecting the work required for graduation. A student is free to choose any group he may desire. The several groups are designed to be of special value in a chosen profession and at the same time to provide a well-balanced course of study. With the approval of the Dean a student may at any time transfer from one group to another. In such transfers, work done in one group and not prescribed in the other will count as general elective credit, but all work prescribed in the new group must be completed before the student can be graduated.

No student is permitted to take less than fourteen semester hours of work without special permission from the Dean; to take more than the normal load of work (fourteen to seventeen semester hours) unless his average grade in the preceding semester is "C" or above; or, under any conditions, to take more than nineteen semester hours of work, exclusive of required physical education.

On or before the date announced for the spring registration every student is required to designate the group in which he plans to graduate and to arrange his program of courses for the ensuing year. All students, when choosing courses, are urged to seek the advice of instructors in whose departments they expect to receive instruction. No course card is valid until it has the approval of the Dean.

SPECIAL REGULATIONS

The following special rules applying to the selection of courses are authorized by the Faculty:

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Arts degree is limited to a maximum of thirty-six semester hours; with the exception that a student whose principal work is in the Departments of English, Economics, or Romance Languages may be permitted to take additional work in subdepartments not to exceed a total in the department and the subdepartments of fifty-four semester hours.

Candidates for the degree of Bachelor of Arts whose courses of study permit may elect work from the following subjects: engineering, not to exceed eighteen semester hours; forestry, not to exceed eighteen semester hours. The courses elected in these departments must be those approved by the Council on Undergraduate Instruction as appropriate for the Bachelor of Arts degree and published in the *Bulletin of Undergraduate Instruction*. The classification of these courses, as they affect divisions of concentration and restricted electives, is left to the student's major adviser and to the Dean.

No Senior may take for graduation credit any course primarily open to Freshmen; and no Junior may take for graduation credit more than one course primarily open to Freshmen. A list of these courses is published in the *Bulletin* under "Courses of Instruction."

Not more than one course of six or eight semester hours of credit in final fulfillment of the requirements for the degree of Bachelor of Arts in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

MINIMUM UNIFORM REQUIREMENTS FOR ALL GROUPS

The following requirements are authorized for all groups:

	S.H.
English 1-2	6
Natural Science	8
Economics, History, or Political Science.....	6
Religion	6

In addition to the above requirements, at least the third college year of a foreign language must be completed.

English 1-2, 6 s.h.—This requirement is normally met by the completion of English 1 and 2. However, a Freshman who satisfies the Department of English of his superior ability in composition may substitute another English course for English 1-2.

Natural Science, 8 s.h.—A student who does not present for entrance an acceptable unit of science must take sixteen semester hours of science for graduation.

Economics, History, or Political Science, 6 s.h.—A student who does not present for entrance two acceptable units of history (exclusive of other social science work) must take history as his required work; otherwise he may fulfill this requirement in any one of the three subjects.

Foreign Language (third college year).—Students who begin their language requirements in college are expected to follow the sequence of courses

laid down by the department whose work they take and can omit only such course or courses as may be approved both by the department and the office of the Dean. If a Freshman presents for entrance four units of Latin, he may satisfy his language requirements by taking either two years of Latin or two years of Greek. In exceptional cases, on the recommendation of the department and with the approval of the Dean, a student who has completed the second college year of a language may satisfy the requirement in language by completing the first college year of another language.

Of these minimum requirements, at least three courses, including English and foreign language, should be taken in the Freshman year, and all of them, except foreign language and religion, by the end of the Sophomore year.

The courses primarily open to Freshmen and the courses that will satisfy the requirements in history, science, and religion are listed under "Courses of Instruction."

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

GROUP I

GENERAL

This group is based on the traditional requirement for the degree of Bachelor of Arts. Students who choose it must complete the minimum uniform requirements for graduation: forty-two semester hours in a division of concentration, exclusive of courses open primarily to Freshmen (in the Division of the Natural Sciences a maximum of eight hours of Freshman work is permitted in the forty-two hours mentioned above); twelve semester hours of restricted electives in the other divisions; and free elective work sufficient to complete, with an average grade of "C," the one hundred and twenty semester hours necessary for graduation. The departments of instruction, for purposes of concentration, are grouped in three divisions:

Humanities: English, Fine Arts, German, Greek, Latin, Music, Philosophy, Romance Languages.

Social Science and History: Economics, Political Science, Education, History, Religion, Sociology.

Mathematics, Psychology, and Natural Science: Botany, Chemistry, Geology, Mathematics, Physics, Psychology, Zoology.

The forty-two semester hours in the division of concentration must be distributed as follows: eighteen to twenty-four semester hours in a major department and eighteen to twenty-four semester hours in at least two other departments of the same division with a minimum of six semester hours in each department. The minimum number of hours required by the department for a major shall not include any course open primarily to Freshmen. Introductory courses above the Freshman level are to be counted or not at the discretion of the department concerned.

For purposes of concentration certain courses listed in the same department are considered as being in different departments; namely, courses

in French, Italian, and Spanish. Likewise, courses in economics and business administration are reckoned as being in different departments. Also a student taking his major work in English literature may count courses in English composition, dramatic technique, or public speaking as part of his related work in the same division.

The twelve semester hours of restricted electives must be taken in one or both of the divisions not chosen for concentration, with a minimum of six semester hours in any one department of these divisions.

Attention is called here to a special regulation governing all groups leading to the Bachelor of Arts degree which limits the amount of work a student, other than an Honors student, may take in any one department to a maximum of thirty-six semester hours, with the proviso that a student whose principal work is in the Departments of English, Economics, or Romance Languages is permitted to take additional work in sub-departments not to exceed a total in the department and the subdepartments of fifty-four semester hours.

The remaining hours necessary for graduation, after the minimum uniform requirements, the division of concentration, and the restricted electives are satisfied, are open as free electives.

On or before the date announced for the spring registration every Sophomore in the General Group should designate his division of concentration and his major department, and arrange under the guidance of an instructor in the major department his program of studies for the following year. He should obtain the instructor's written approval of all courses selected in the division of concentration before submitting his program to the Dean for final action. In like manner, upperclassmen will recheck their courses in their divisions of concentration each year with representatives of their major departments.

GROUP II

BUSINESS ADMINISTRATION

This group is designed for students who enter college with the purpose of engaging in some form of business activity after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Economics 11,* Mathematics 3-4, or equivalent.
 Sophomore Year: Economics 51-52, 57-58, Political Science 61-62.
 Junior Year: Economics 138,** 143.
 Senior Year: Economics 153, 181-182.

In addition to the courses specified above, a student in this group must elect twenty-four semester hours from other courses in the Department. Six semester hours of this elective work shall be selected from courses

* This course is recommended but not required.

** With the permission of the Department, students specializing in accounting may substitute for this course one in that subject.

in the two-hundred group offered for Seniors and Graduates. With the permission of the Chairman of the Department students planning to take the examination to qualify as a Certified Public Accountant may be released from this requirement.

All elective work in economics must be approved in writing by the Director of Undergraduate Studies.

GROUP III

RELIGION

This group is designed for students who plan to enter the ministry or other religious work as a vocation after graduation. The required work consists of the minimum uniform requirements and the courses specified below.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: Religion 1-2, History 1-2.

Sophomore Year: Religion (6 hours), Economics 51-52 or Political Science 61-62, English Literature (6 hours).

Junior Year: Religion (6 hours), Psychology 91, English 151-152.

Senior Year: Religion* (6 hours), Sociology (6 hours), Philosophy (6 hours).

GROUP IV

PRE-MEDICAL

Students qualifying for college graduation in this group must complete, in addition to the minimum uniform requirements, forty-two semester hours in a division of concentration (subject to the regulations of the General Group), twelve semester hours of restricted electives in one or both of the other divisions with at least six semester hours in one department, and certain specific requirements as noted below. These specific requirements may count as part of the divisional concentration (if the division of concentration is the Natural Sciences) or they may count as restricted electives if another division of concentration is chosen. The foreign language should be German or French, preferably the former and including German 107-108.

The normal division of concentration for students electing this group is that of the Natural Sciences. However, the student may elect any one of the other two divisions for his divisional concentration. In this case, it may be necessary for him to complete more than one hundred and twenty semester hours for his degree. If, however, the student chooses the Natural Sciences for his division of concentration, he is urged to take as much elective work as possible in the Divisions of the Social Studies and the Humanities.

Completion of English 1 and 2; Chemistry 1-2, 61-70, 151-152; Physics 51-52; and Zoology 1-2 will satisfy the minimum course recommendations

* Not more than six semester hours of electives may be taken in the Department of Religion.

of the Association of American Medical Colleges. Many medical schools advise the completion of additional courses in these and in other subjects. The pre-medical student should ascertain the requirements of the particular medical school that he expects to attend.

The following arrangement of the courses in science is suggested:

Freshman Year: Chemistry 1-2, Zoology 1-2, Mathematics 7-8, or equivalent.

Sophomore Year: Chemistry 61-70, Physics 51-52.

Junior Year: Chemistry 151-152.

GROUP V

COLLEGE TEACHING

This group is designed for students who plan to do work in a graduate school and teach in college. The required work consists of the minimum uniform requirements and the work specified below:

French and German through the second year of college work.* Since one of these languages may be taken through the third year of college work to satisfy the minimum uniform requirements, only the one not taken thus must be chosen to meet the conditions of this group.

Twenty-four semester hours of work in the major subject, exclusive of work in the subject offered primarily for Freshmen; twelve semester hours of work in related subjects approved by the student's Departmental Adviser; twelve semester hours in education, philosophy, and psychology, or in any one, not including any courses in secondary or elementary school methods.

Elective work, not to be taken in the major department, sufficient to complete the one hundred and twenty semester hours necessary for graduation.

At least twelve semester hours of the work taken in the Senior year must be in courses open only to Seniors and Graduates.

GROUP VI

PUBLIC SCHOOL TEACHING

This group is designed for two classes of students: (a) those who plan to teach in secondary schools; (b) those who plan to teach in elementary schools.

The required work consists of the minimum uniform requirements and the requirements listed under one of the classes below, according as the student expects to teach in a secondary school or in an elementary school.

CLASS A: SECONDARY SCHOOL TEACHING

Students in this class are required to take:

Eighteen semester hours in education of which three semester hours may be in general psychology. The work in education must include three semester hours in directed observation and practice teaching, three semes-

* Greek or Latin may be substituted for either French or German.

ter hours in educational psychology, and three semester hours in secondary education.

Six semester hours, three each, in materials and methods, in two fields of high-school teaching.

Work in the subject matter of the two subjects the student intends to teach, sufficient to satisfy the minimum requirements as listed in the table below:

English, twenty-four semester hours, to include the six of required work in composition, six in English literature, and six in American literature.

French, eighteen semester hours, based on the usual two units for admission. German, Spanish, and Greek, the same requirements as for French.

History, eighteen semester hours, including six each in American, ancient and medieval, and modern European history, and six semester hours of economics or political science. It is recommended to prospective teachers of history and related subjects that they take elective work in sociology, geography, and at least a semester each in economics and political science.

Latin, eighteen semester hours based on the traditional four units for admission. Mathematics, fifteen semester hours.

Music, thirty semester hours.

Physical Education, fifteen semester hours.

Science, thirty semester hours, including elementary courses in biology, chemistry, physics and geography or geology.

A student may prepare to teach only one high-school subject by taking a major of twenty-four semester hours in that subject (physical education excepted) in addition to the general required work in Class A, the required work in education and psychology, and the specifically required work in directed observation and materials and methods in the subject chosen. In physical education in the Woman's College the requirement for a major is thirty semester hours including three or four semester hours each of comparative anatomy and physiology.

Elective work sufficient to complete the one hundred and twenty semester hours for graduation. It is recommended that the elective work be chosen in the two subjects the student is preparing to teach and in the Division of Social Science, provided the total amount of work taken in any department may not exceed the total allowed in Group I.

Students who are preparing to teach are warned to read carefully the certification rules of the state in which they are going to teach and to advise fully with the Dean before electing courses in subjects they are preparing to teach. They are further warned to take their professional courses in the order outlined by the Department of Education, reserving for their Senior year courses in materials and methods and in directed observation and practice teaching.

At least twelve semester hours of the work in the Senior year must be in courses open only to Seniors or to Seniors and Graduates.

CLASS B: ELEMENTARY SCHOOL TEACHING

Students in this class conform to the general requirements of Group I. Education is treated as a major department, and the Social Science Division as the division of concentration. In addition to the general requirements of Group I, the following specific requirements must be met:

	S.H.
English	3 or 6
American History and Government.....	6 or 9
Geography	6
Physical Education and Hygiene.....	6

These special requirements are reckoned in each case as a part of the appropriate division of concentration. The student in Class B should take Education 8 in the first semester of his Freshman year and advise with the Department as to an appropriate course for the spring semester. In all other particulars his course follows the General Group for the first year.

The following arrangement of courses is recommended for Freshmen entering the Teaching Group. The work for the following years will be arranged by the Department of Education.

FRESHMAN YEAR

	S.H.
English	6
Foreign Language	6
Science	8
History or elective*	6
Education or elective**	6
	32

GROUP VII

PRE-LEGAL

This group is designed for students who expect to study law after graduation. The required work consists of the minimum uniform requirements*** and the courses specified below.

The following arrangement of specified courses is recommended:

- Freshman Year: Introductory Course in History (1-2 if taken in the Freshman year or 51-52 if taken thereafter).
- Sophomore Year: Economics 51-52, Political Science 61-62.
- Junior Year: Economics 143, History 105-106, Psychology 91, and either English 151 or 152.
- Senior Year: Six semester-hours of Economics from courses approved for Seniors.

The electives should be chosen largely from the work offered by the following departments: Philosophy, Sociology, Economics, History, Psychology, and Political Science. The total work (required and elective) in any one department may not exceed thirty semester hours.

At least twelve semester hours of the electives in the Senior year must be Senior-Graduate courses.

* History is an alternate with economics or political science in the minimum requirements when the student presents two units of history for admission.

** Students in Class B should take Education 8 the first semester and follow it with the course approved by the Department of Education the second semester; students in Class A follow the same plan or take any of the electives authorized for the General Group.

*** When there is overlapping, the minimum uniform requirements are accepted as a part of the special requirements in this group.

GROUP VIII**SOCIAL SERVICE**

This group is designed for students who purpose after graduation to pursue professional studies in order to engage in practical social welfare work, such as family welfare, child welfare, public welfare, probation and parole, and similar forms of neighborhood and community work. The required work consists of the minimum uniform requirements and the courses specified below. Zoology is recommended for the required course in science.

The following arrangement of specified courses is recommended for students electing this group:

Freshman Year: History 1-2.

Sophomore Year: Economics 51-52, Sociology 91-92 or Sociology 101.

Junior Year: Philosophy (6 hours), Political Science (6 hours), Psychology 91, Sociology (6 hours).

Senior Year: Economics (6 hours), Psychology (6 hours), Sociology (6 hours).

The electives should be chosen mainly from history, economics, political science, education, sociology, philosophy, psychology, and religion.

The subjects required for the Junior and Senior years may be transposed according to the courses available in any particular year.

GROUP IX**HONORS**

Purpose: Students who have revealed their desire and demonstrated their ability to do a type of intellectual work higher than that normally required for the liberal arts degree may apply to read for Honors during their last two college years. The aim of the Honors studies is to permit qualified undergraduates to attain a knowledge, both comprehensive and intensive, of a particular field, or fields, under conditions most stimulating to individual initiative and independence.

General Rules:

I. A student who has sixty-two semester hours of work to his credit and who has completed the minimum requirements for graduation may apply to read for Honors. A departmental committee may, however, permit students to take as much as twelve hours of the minimum uniform requirements in the Junior and Senior years provided that these are offset by the same number of hours in related subjects taken previously in courses not open primarily to Freshmen.

II. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester hours of work.

III. The minimum amount of work that may be taken in the major department shall be the equivalent of twenty-four semester hours, and the maximum shall be the equivalent of thirty-six semester hours.

IV. The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

Departmental Honors: Honors courses are available to qualified students in the following departments: Botany, Chemistry, Economics, Education, English, French, German, Greek, History, Mathematics, Physics, Psychology, Religion, and Zoology.

An undergraduate wishing to qualify for Departmental Honors usually enters the General Group during the Freshman year. At the close of the Sophomore year he may apply to read for Honors in a particular department. The requirements for admission to candidacy for Honors vary in the different departments. The student should consult the special requirements set forth in the "Departmental Honors Program." The Departmental Committee determines the eligibility of the various applicants for Honors reading within the department.

Transfer students from colleges of approved standing may be admitted to candidacy for Honors provided they enter here as Sophomores with high records in their chosen field of work. They should consult by April 15 the Honors Adviser of the Department in which they are interested.

The work required of students in the Departmental Honors Group consists of (1) the minimum uniform requirements; (2) the program of Honors for the Junior and Senior years; and (3) elective work sufficient to complete the semester hours necessary for graduation.

Study in a Department Honors course always includes work in regular open courses. In both Junior and Senior years it may, and usually does, also include work under special instruction (seminarial or tutorial) and assignments of independent reading.

All candidates who complete satisfactorily the minimum uniform requirements, a Departmental Honors course, and elective work sufficient to earn the necessary hours for graduation will be recommended by the Departmental Committee to the Dean of the College for graduation with Honors.

For brief outlines of the various plans for Departmental Honors the student should see the section, "Departmental Honors Program," among the offerings of each department listed above. Students are also urged to consult the Honors Adviser of the department in which they are primarily interested. A list of these Advisers follows:

Botany: Miss Addoms
Chemistry: Mr. Vosburgh
Education: Mr. Holton
English: Mr. Irving
French: Mr. Webb
German: Mr. Vollmer
Greek: Mr. Peppler

History: Mr. Laprade
Mathematics: Mr. Elliott
Physics: Mr. Hatley
Psychology: Mr. Zener
Religion: Mr. Myers
Zoology: Mr. Johnson

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

The general regulations governing the requirements for the degree of Bachelor of Science are the same as those for the degree of Bachelor of Arts. Students selecting this group must complete the following course of study:

	S.H.
English 1-2	6
French and German (second college year)	12-24
Mathematics	6
Natural science	8
Economics, History, or Political Science	6
Religion	6
Major and related work	48
Free electives to make a total of	120

English 1-2, 6 s.h.—A Freshman who satisfies the Department of English of his superior ability in English composition may substitute another English course for English 1-2. A Freshman whose scores in the placement tests are too low to justify his admission into English 1 is required to earn credit for English L before he may enter English 1.

French and German.—Bachelor of Science candidates must complete at least the second college year, or equivalent as determined by examination, of both French and German.

Mathematics, 6 s.h.—A candidate for the Bachelor of Science degree must complete Mathematics 7 and 8 or Mathematics 7 and 50 or the equivalent. Mathematics 50 is recommended for students who plan to take Mathematics 51-52. Mathematics 8 is recommended for those who plan not to take Mathematics 51-52. Placement tests in algebra are administered to all entering students planning to take courses in mathematics. Students found deficient in algebra must substitute Mathematics 1 and 2 for Mathematics 7.

Natural Science, 8 s.h.—This requirement can be satisfied by courses in one of the natural sciences, namely, Botany, Chemistry, Geology, Physics, and Zoology. The courses must include laboratory work, and may not be counted as part of the major or related work.

Economics, History, or Political Science, 6 s.h.—A student who does not present for entrance two acceptable units of history (exclusive of other social work) must take a course in history; otherwise he has his choice of Economics, History, or Political Science. The courses that will satisfy this requirement are listed under "Courses of Instruction."

Religion, 6 s.h.—The courses that will satisfy the requirement in Religion are listed in this bulletin under "Courses of Instruction."

Major and Related Work, 48 s.h.—Major and related work consists of forty-eight semester hours in the Division of Natural Sciences. This work must be selected from the Departments of Botany, Chemistry, Geology, Mathematics, Physics, Psychology, and Zoology. The major work consists of not less than twenty-four semester hours in one department, the choice of courses being subject to the approval of the department. The major work does not include courses primarily open to Freshmen. The related work is taken in at

least two other departments and is selected subject to the approval of the major department. It may not include more than one course primarily open to Freshmen. A minimum of eight semester hours of the total of forty-eight must be in laboratory science. Further information concerning the requirements for the major and related work in the various departments will be found under "Courses of Instruction."

Free Electives.—In addition to the above, the student must elect sufficient courses to complete, with an average grade of "C," the one hundred and twenty semester hours necessary for graduation.

The total amount of work that a student, other than an Honors student, may take in any one department toward the Bachelor of Science degree is limited to a maximum of thirty-six semester hours.

No Senior may take for credit any course primarily open to Freshmen; and no Junior may take for credit more than one course primarily open to Freshmen. A list of these courses is published under "Courses of Instruction."

Not more than one course of six or eight semester hours of credit in final fulfillment of the requirements for the degree of Bachelor of Science in Duke University may be taken in another institution of approved standing, and this course must first be approved by the head of the department concerned and by the Dean.

On or before the date announced for the spring registration every Sophomore in this group should select his major department in the Division of Natural Sciences and arrange under the guidance of an instructor in the major department his program of studies for the following year. He should obtain the instructor's written approval of all courses selected in the division before submitting his program to the Dean for final action. In like manner, upperclassmen will check their courses in the division each year with representatives of their major department.

COMBINED ACADEMIC-PROFESSIONAL COURSES

The provision whereby a Senior may elect the work of the first year in a professional school of the University shall apply solely to eligible students in Trinity College or the Woman's College. The privilege of completing a combined course for the degree is conditioned upon admission to the professional school at the close of the Junior year. A student thus admitted registers as a Senior in the College and as a first-year student in the professional school.

ACADEMIC-LAW COMBINATION

A student who has completed, with an average grade of "C" or higher, ninety-two semester hours of undergraduate work, including the minimum uniform requirements for the degree of Bachelor of Arts and the work of the Junior year in the division of concentration may, with the approval of the Dean of the College, transfer to that school and be eligible for the degree of Bachelor of Arts from Duke University upon the satisfactory completion therein of the work of the first year.

It is understood that this provision shall apply solely to eligible Duke University undergraduates, and that not less than the full first-year's work of the Law School will be acceptable for credit towards the bachelor degree.

No single discipline or program of study can be described as the best preparation for the study of law. There are various methods of approach to legal study and students differ with respect to the undergraduate studies by which they profit most in preparing themselves for law school.

Completion of the undergraduate work necessary to qualify for the Academic-Law Combination does not insure admission to the Duke University School of Law, nor impose any restriction whatever upon its freedom in selecting students for admission.

The student who does not desire to avail himself of the Academic-Law Combination above set forth may, nevertheless, enter the Law School when he has satisfactorily completed two* years of academic study and has met the other entrance requirements of that school.

Students wishing information concerning admission to the School of Law are invited to consult with the Dean of that school.

ACADEMIC-FORESTRY COMBINATION

A student who has completed with an average grade of "C" or higher the program of study given below may, with the approval of the Dean of the College, transfer to the School of Forestry and be eligible for the degree of Bachelor of Science from Duke University upon the satisfactory completion of one year's work. It is understood that this provision

* Admission after two years of college work is granted during the period of the war.

shall apply solely to eligible Duke University undergraduates. The professional degree of Master of Forestry may be obtained on the satisfactory completion of an additional year in the School of Forestry.

The program of studies in preparation for admission to the School of Forestry is divided into four parts: (1) a group of studies required of all students; (2) courses required in a selected division of concentration; (3) additional elective courses sufficient to make a total of at least 92 semester hours of credit; and (4) summer field work in surveying and forest mensuration as described below.

The studies required of all students, of which the first four, together with six semester hours of a language, should ordinarily be taken in the Freshman year, are as follows:

	S.H.
Botany 1-2	8
Chemistry 1-2	8
English 1-2	6
Engineering Drawing 1-2	4
Modern Foreign Language*	12-18
Mathematics 7-8	6
Physics 1-2	8
Economics 51-52	6
Geology 51	4

At the end of the Freshman year each student shall select a division of concentration. One of the following programs of concentration is recommended.

Botany. Botany 52, 151, 156, one additional course in Botany, and Zoology 1.

Chemistry. Chemistry 61, 70, and 151-152; and Botany 151.

Economics. Economics 57-58, two additional semester courses in economics, and Political Science 61-62.

A student who does not select one of the above programs must complete the work of the Junior year in a division of concentration.

Summer field work is required of all students in the School of Forestry. This program of 12 weeks, preferably to be taken upon completion of the Junior year, includes Civil Engineering S110 (Plane Surveying), 3 s.h.; Forestry S150 (Forest Surveying), 5 s.h.; and Forestry S151 (Forest Mensuration), 4 s.h.

Completion of the first three years of work toward the Bachelor of Science degree does not insure admission to the Duke University School of Forestry, nor impose any restriction whatever upon its freedom in selecting students for admission.

Students wishing information concerning admission to the School of Forestry are invited to consult with the Dean of that School.

* The requirement is the same as for the Degree of Bachelor of Science, except that Spanish may be substituted for French.

COURSES OF INSTRUCTION, TRINITY COLLEGE AND THE WOMAN'S COLLEGE

Note: Courses primarily for Freshmen are numbered from 1 to 49; those primarily for Sophomores are numbered from 50 to 99; those primarily for Juniors and Seniors from 100 to 199; those primarily for Seniors and Graduates from 200 to 299. The amount of credit for each course is given in semester-hours following the description of the course.

Odd-numbered courses are offered in the fall semester, and even-numbered courses are offered in the spring semester. Double numbers indicate that the course is a year course and must normally be continued throughout the year if credit is received. A student must secure written permission from the instructor in order to receive credit for either semester of a year-course.

This is a condensed description of courses. For a full description see the Bulletin of Undergraduate Instruction.

COURSES OPEN PRIMARILY TO FRESHMEN

Art 1-2	History 1-2
Botany 1-2	Latin 1-2-3, 4, 15, 16, 41, 42
Chemistry 1-2, 3-4	Mathematics 1, 2, 3-4, 7, 8, 9-10, 15
Economics 11	Music 11-12
Education 1, 4, 6, 8	Philosophy 48
English 1-2	Physics 1-2
French 1-2, 3-4	Political Science 21-22
German 1-2, 3-4	Religion 1-2
Greek 15	Spanish 1-2, 3-4
Health Education 41	Zoology 1-2

AESTHETICS, ART, AND MUSIC

PROFESSOR KATHARINE GILBERT, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES IN ART; MRS. WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION IN ART; ASSISTANT PROFESSOR BRUINSMA, DIRECTOR OF UNDERGRADUATE STUDIES IN MUSIC; MR. BROADHEAD, SUPERVISOR OF FRESHMAN INSTRUCTION IN MUSIC; ASSISTANT PROFESSOR HALL;
MISS BOUTON AND MRS. GILI

AESTHETICS

FOR SENIORS AND GRADUATES

201-202. The Philosophy of Art.—6 s.h. [Not offered in 1943-44]	PROFESSOR GILBERT
213-214. History of Aesthetics.—6 s.h.	PROFESSOR GILBERT

ART

1-2. History of Art.—6 s.h.	MRS. WILSON
51-52. History of Art.—6 s.h.	MISS BOUTON AND MRS. WILSON
53-54. Theory of Representation and Design.—6 s.h.	MRS. WILSON

94. (Old number, 93.) American Painting and Sculpture.—3 s.h.
[Not offered in 1943-44] MRS. WILSON
101. Medieval Architecture.—Prerequisite: 1-2 or 51. 3 s.h.
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103. Renaissance and Baroque Architecture: Italy.—Prerequisite: 1-2 or 51. 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR HALL
104. Renaissance and Baroque Architecture: Spain and the North.—Prerequisite: 1-2 or 51. 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR HALL
105. European Architecture since 1700.—Prerequisite: 1-2 or 51. 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR HALL
106. Architecture of the Americas.—Prerequisite: 1-2 or 51. 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR HALL
110. (Old number, 120.) English Architecture.—Prerequisite: 1-2 or 51. 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR HALL
111. The Art of Ancient Rome.—3 s.h. MRS. WILSON
121. (Old number, 102.) Medieval Art.—Prerequisite for Sophomores: 1-2 or 52. 3 s.h.
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123. (Old number, 107.) Renaissance Painting and Sculpture: Italy.—3 s.h.
MISS BOUTON
124. (Old number, 109.) Baroque Painting.—3 s.h. MISS BOUTON
125. (Old number, 108.) Renaissance Painting and Sculpture: The North.—3 s.h. MISS BOUTON
130. (Old number, 110.) Painting since 1800.—3 s.h. MISS BOUTON

COURSES OFFERED IN OTHER DEPARTMENTS ACCREDITED IN THIS DEPARTMENT

Greek 141-142. Greek Art.

Greek 247-248. Greek Archaeology.

Psychology 202. Psychology of Aesthetics.

DEPARTMENTAL MAJOR

Prerequisites: 1-2 or 51-52.

Major Requirements: 53-54, and eighteen hours in courses chosen from the departmental offerings, or from courses in other departments accredited in this Department.

MUSIC

THEORY

- 11-12. Fundamentals of Music.—6 s.h. MRS. GILI
- 61-62. Polyphonic Composition.—Prerequisite: Music 11-12. 6 s.h.
[Not offered in 1943-44] MR. BROADHEAD
- 71-72. Analysis of Form.—Prerequisite: Music 11-12. 6 s.h.
ASSISTANT PROFESSOR BRUINSMA

111-112. **Harmony.**—Prerequisite: Music 11-12. 6 s.h.

ASSISTANT PROFESSOR BRUINSMA

121-122. **Orchestration and Conducting.**—Prerequisite: Music 11-12. 6 s.h.

[Not offered in 1943-44]

ASSISTANT PROFESSOR BRUINSMA

HISTORY AND CRITICISM

81-82. **Introduction to Musical Literature.**—6 s.h.

MR. BROADHEAD

131-132. **Symphonic Literature.**—Prerequisite: Music 81-82, or 11-12, or consent of instructor. 6 s.h.

MRS. GILI

197. **Bach.**—3 s.h.

MR. BROADHEAD

198. **Beethoven.**—3 s.h.

MR. BROADHEAD

MUSIC EDUCATION

101. **Vocal Methods.**—Prerequisite: Music 11-12. 3 s.h.

ASSISTANT PROFESSOR BRUINSMA

102. **Instrumental Methods.**—Prerequisite: Music 11-12. 3 s.h.

ASSISTANT PROFESSOR BRUINSMA

151-152. **Fundamentals of Music for Education Students.**—6 s.h.

ASSISTANT PROFESSOR BRUINSMA

APPLIED MUSIC

Instruction in organ, piano, violin, violoncello, and voice is available to Duke University students. Membership in the Chapel Choir, the Glee Clubs, Bands, and Symphony Orchestra is open to those who can qualify.

Organ.....Mr. Edward Hall Broadhead

Piano.....Mr. Henry A. Bruinsma

Violoncello.....Mrs. Mary Gili

Vocal Ensembles.....Mr. and Mrs. J. Foster Barnes

Instrumental Ensembles.....Mr. Robert Fearing

DEPARTMENTAL MAJOR

In Music Theory:

Prerequisite: Music 11-12.

Major Requirements: Music 61-62, 81-82, 111-112, and six semester hours of general music electives.

In Music History:

Prerequisite: Music 11-12.

Major Requirements: Music 81-82, 131-132, 197-198, and six semester hours of general music electives.

In Music Education:

The Department of Music has set up the following minimum requirements within the thirty hours of credit required by the North Carolina Department of Public Instruction for the Music Teaching Certificate: Music 11-12, 6 s.h.; Music 81-82, 6 s.h.; Music 101, 102, 6 s.h.; music electives, 12 s.h.

Each candidate must demonstrate his ability to play simple accompaniments and hymns at sight, and must be a member in good standing of at least one University Musical Organization (Band, Orchestra, Choir, or Glee Club) for a minimum of two years.

The major requirements above are in addition to the professional requirements of the North Carolina Department of Public Instruction which are common to all certificates. This certificate qualifies a person for both High School and Elementary School teaching.

For required Education courses refer to the Department of Education.

BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN; ASSISTANT PROFESSOR OOSTING, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR ANDERSON, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSOCIATE PROFESSOR ADDOMS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE); PROFESSORS BEAL AND WOLF; ASSOCIATE PROFESSORS HARRAR AND KRAMER; ASSISTANT PROFESSOR PERRY; AND ASSISTANTS

1. General Botany.—4 s.h. STAFF
2. General Botany.—Prerequisite: Botany 1. 4 s.h. STAFF
51. Culture and Propagation of Plants.—Prerequisite: one year of botany. 4 s.h. ASSOCIATE PROFESSOR ADDOMS
52. Plant Identification.—Prerequisite: one year of botany. 4 s.h. PROFESSOR BLOMQUIST
55. Morphology and Anatomy of Vascular Plants.—Prerequisite: one year of botany. 4 s.h. ASSISTANT PROFESSOR OOSTING
101. Principles of Heredity.—Prerequisite: one course in biology, botany, or zoology (high-school or college). High-school or college algebra recommended. 3 or 4 s.h. ASSISTANT PROFESSOR PERRY
102. Plants in Relation to Food Production.—3 s.h. ASSOCIATE PROFESSOR ADDOMS
103. General Bacteriology.—Prerequisite: one year of botany or zoology, or equivalent. 4 s.h. PROFESSOR WOLF
104. The Structure and Identification of Lower Plants.—Prerequisite: one year of botany. 4 s.h. ASSISTANT PROFESSOR ANDERSON
151. Introductory Plant Physiology.—Prerequisite: Botany 1, 2 or equivalent; one year of chemistry recommended. 4 s.h. ASSOCIATE PROFESSOR KRAMER
156. Plant Ecology.—Prerequisites: Botany 1, 2 and 52, or equivalent. 4 s.h. ASSISTANT PROFESSOR OOSTING
202. Genetics.—Prerequisites: one year of botany or zoology, or equivalent, and college algebra. 4 s.h. ASSISTANT PROFESSOR PERRY
[Not offered in 1943-44]
203. Plant Cytology.—Prerequisite: one year of botany. 4 s.h. ASSISTANT PROFESSOR ANDERSON
[Not offered in 1943-44]
204. Advanced Plant Anatomy.—Prerequisite: Botany 55 or equivalent. 4 s.h. ASSOCIATE PROFESSOR ADDOMS
216. Botanical Microtechnique.—Prerequisite: two semesters of botany. 4 s.h. ASSISTANT PROFESSOR ANDERSON
221. Structure and Classification of Fungi.—Prerequisite: two semesters of botany. 4 s.h. PROFESSOR WOLF
- 225-226. Special Problems.
 - a. Bacteriology, Mycology, and Plant Pathology. PROFESSOR WOLF
 - b. Cytology. ASSISTANT PROFESSOR ANDERSON
 - c. Ecology. ASSISTANT PROFESSOR OOSTING

d. Genetics.

ASSISTANT PROFESSOR PERRY

e. Morphology and Anatomy of Higher Groups.

ASSOCIATE PROFESSORS ADDOMS AND HARRAR;
ASSISTANT PROFESSOR OOSTING

f. Morphology and Taxonomy of Lower Groups.

PROFESSOR BLOMQUIST AND ASSISTANT PROFESSOR ANDERSON

g. Physiology.

ASSOCIATE PROFESSORS ADDOMS AND KRAMER

h. Plant Microchemistry.

ASSOCIATE PROFESSOR ADDOMS

i. Taxonomy of Higher Groups.

PROFESSOR BLOMQUIST

252. Advanced Plant Physiology.—Prerequisite: Botany 151 or equivalent;
organic chemistry recommended. 4 s.h. ASSOCIATE PROFESSOR KRAMER

255. Advanced Taxonomy.—Prerequisite: two years of botany, including
Botany 52 or equivalent. 4 s.h. PROFESSOR BLOMQUIST

256. Field Ecology. Prerequisites: Botany 1, 2, and 52 or equivalent.
4 s.h. ASSISTANT PROFESSOR OOSTING

FOREST BOTANY

224. Forest Pathology.—Prerequisites: Botany 1, 2. 3 or 4 s.h.

PROFESSOR WOLF

253-254. Dendrology.—Prerequisite: one year of botany. 4 s.h.

PROFESSOR BEAL

Related courses which may be counted toward a major in botany. Zoology
110. Introduction to Genetics. 2 s.h. (w) DR. JOHNSON

DEPARTMENTAL MAJOR

Prerequisites: Botany 1 and 2.

Major Requirements: A minimum of twenty-one hours of work including
courses 52, 55, and 104. The remaining hours may be selected from any other
courses in the Department for which the student is eligible, subject to the
approval of the Departmental Adviser.

DEPARTMENTAL HONORS PROGRAM

I. *Prerequisites:* Botany 1-2. A year course in each of three other sciences
acceptable to the Departmental Committee. Some of these may be taken con-
currently with the Honors work.

II. *Honors Work:*

a. Botany.

1. Scheduled courses. At least 5 courses (18-20 semester hours)
beyond Botany 1-2.

2. Reading Courses and Problems, chiefly in the Senior year. Nine
semester hours. In addition to scheduled courses, each Honors
student will take reading courses in such fields as History of
Botany and Theories of Biology; or he may take reading courses
in special fields; or he may undertake a special problem; or he
may carry on both reading and a problem. This work will count
as nine semester hours and will extend through a year at least.
The student will report to his Adviser regularly for conference
on this work. He may be asked to prepare written reports on
the reading courses, and he must make a report on his problem.

b. Philosophy—6 semester hours.

c. Electives in Botany or in other departments, subject to the approval
of the Departmental Committee.

III. *General Honors Examination*: In the spring semester of the Senior year, each student must pass a general examination on the entire field of his Honors work. The Examining Committee consists of the Departmental Committee and such Advisers as have been concerned with his Honors work. The student must present a written report upon his problem and such written reports upon his reading as may be required, before he is permitted to take the general examination.

CHEMISTRY

PROFESSOR GROSS, CHAIRMAN; PROFESSOR VOSBURGH, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HILL, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BIGELOW, LONDON, AND WILSON; ASSOCIATE PROFESSORS HAUSER AND SAYLOR; ASSISTANT PROFESSORS BROWN AND HOBBS; DR. BRADSHER; AND ASSISTANTS

1-2. General Inorganic Chemistry.—8 s.h.

ASSISTANT PROFESSOR HILL WITH PROFESSOR WILSON; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSORS BROWN AND HOBBS; DR. BRADSHER; AND ASSISTANTS

3-4. General Inorganic Chemistry.—6 s.h.

ASSISTANT PROFESSOR HILL WITH PROFESSOR WILSON; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSOR HOBBS; DR. BRADSHER; AND ASSISTANTS

61. *Qualitative Analysis*.—Prerequisites: Chemistry 1-2 or 3-4 and algebra. 4 s.h.
PROFESSOR VOSBURGH; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSOR HOBBS; AND ASSISTANTS

70. *Quantitative Analysis*.—Prerequisite: Chemistry 61. Analytic geometry and college physics are desirable but not required. 4 s.h.
PROFESSOR VOSBURGH; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSOR HOBBS; AND ASSISTANTS

63-74. *Analytical Chemistry*.—Prerequisites: Chemistry 1-2 or 3-4 and Mathematics 7-8; the latter may be taken concurrently. 6 s.h.
PROFESSOR VOSBURGH; ASSOCIATE PROFESSOR SAYLOR; ASSISTANT PROFESSOR HOBBS; AND ASSISTANTS

131-132. *Advanced Quantitative Analysis*.—Prerequisites: Chemistry 70 and Physics 51-52 or equivalent. 4 s.h.
PROFESSOR VOSBURGH AND ASSOCIATE PROFESSOR SAYLOR

151-152. *Organic Chemistry*.—Prerequisites: Chemistry 61 and 70. Course 151 is prerequisite for 152. 8 s.h.
PROFESSOR BIGELOW; ASSOCIATE PROFESSOR HAUSER; ASSISTANT PROFESSOR BROWN; DR. BRADSHER; AND ASSISTANTS

153-154. Intermediate Chemistry Laboratory.—2 or 4 s.h.

PROFESSOR BIGELOW AND OTHER MEMBERS OF THE STAFF

155-156. *Organic Chemistry*.—Prerequisites: Chemistry 61 and 70 or 63-74. 6 s.h.
PROFESSOR BIGELOW; ASSOCIATE PROFESSOR HAUSER; ASSISTANT PROFESSOR BROWN; DR. BRADSHER; AND ASSISTANTS

173-174. Honors Seminar.—2 s.h. [Not offered in 1943-44]

PROFESSOR VOSBURGH

215-216. *Advanced Inorganic Chemistry*.—Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214, and ability to read German are desirable. 6 s.h.
PROFESSOR VOSBURGH AND ASSISTANT PROFESSOR HILL

233-234. **Instrumental Analysis.**—Prerequisites: Chemistry 70 and 261-262. 2 s.h. PROFESSOR VOSBURGH AND ASSOCIATE PROFESSOR SAYLOR

236. **Theory of Analytical Chemistry.**—Prerequisites: Chemistry 70 and 261-262. 1 s.h. PROFESSOR VOSBURGH

241. **Physiological Chemistry.**—Prerequisites: Chemistry 70 and 151-152. Course 261-262 is desirable though not required. 4 s.h.

PROFESSOR WILSON AND ASSISTANT

242. **Metabolism.**—4 s.h. PROFESSOR WILSON AND ASSISTANT

253-254. **Advanced Organic Chemistry.**—Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. 6 or 8 s.h.

PROFESSOR BIGELOW; ASSOCIATE PROFESSOR HAUSER;
AND ASSISTANT PROFESSOR BROWN

261-262. **Physical Chemistry.**—Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent. Mathematics 8 or 51-52 is required except by special permission of the Department. 6 s.h.

PROFESSOR GROSS; ASSOCIATE PROFESSOR SAYLOR;
AND ASSISTANT PROFESSOR HOBBS

265-266. **Chemical Physics. Statistical Theory, Principles and Applications.**—8 s.h. PROFESSOR LONDON

267-268. **Chemical Physics. Theoretical Aspects of Atomic and Molecular Structure.**—8 s.h. PROFESSOR LONDON

271. **Introduction to Research.**—1 s.h. PROFESSORS BIGELOW, GROSS AND VOSBURGH

273-274. **Seminar.**—2 s.h. PROFESSORS BIGELOW, GROSS AND VOSBURGH; ASSOCIATE PROFESSORS
HAUSER AND SAYLOR; ASSISTANT PROFESSORS BROWN,
HILL AND HOBBS; AND DR. BRADSHER

275-276. **Research.**—3 or 6 s.h. PROFESSORS BIGELOW, GROSS, LONDON, VOSBURGH AND WILSON;
ASSOCIATE PROFESSORS HAUSER AND SAYLOR;
ASSISTANT PROFESSORS BROWN, HILL AND
HOBBS; AND DR. BRADSHER

DEPARTMENTAL MAJOR

A. For the degree of A.B.

Prerequisites: Chemistry 1-2, Mathematics 7-8 (or equivalent).

Major Requirements: Chemistry 61-70, 151-152 and 261-262. With the permission of the Department other chemistry courses giving a total of not less than 6 s.h. credit may be substituted for Chemistry 261-262.

B. For the degree of B.S.

Prerequisites: Chemistry 1-2, Mathematics 7-50 (or equivalent).

Major Requirements: Chemistry 61-70, 131-132, 151-152, 153-154, 261-262. The required work in the Science Division must include Mathematics 51-52 and Physics 51-52 (or equivalent).

DEPARTMENTAL HONORS PROGRAM*

Prerequisites: Chemistry 61-70; Mathematics, 6 s.h., and Physics 51-52 or equivalent.

Honors Program: Chemistry 131-132, 151-152, 153-154, 173-174, 261-262, and 275-276; Mathematics through integral calculus; Physics, Botany, Geology,

* Not offered in 1943-44.

or Zoology, 6 s.h.; electives, subject to the approval of the Departmental Honors Committee, 20 s.h. (or enough to satisfy the requirements for graduation).

Chemistry 153-154 is a special laboratory course in which there is individual attention to and supervision of the work of each student.

Chemistry 173-174 is a seminar primarily for Honors students of both Junior and Senior years. The purpose is to give practice in the use of chemical literature and the oral presentation of assigned topics.

In Chemistry 275-276 an experimental research project is carried out under the direction of a member of the Staff, the object being to gain acquaintance with the aims and methods of research. A written report on the research is required.

A general examination in chemistry is given at the end of both Junior and Senior years.

ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSOR HOOVER, CHAIRMAN; PROFESSOR DE VYVER, ACTING CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSORS HAMILTON, SPENGLER AND VON BECKERATH; ASSOCIATE PROFESSORS BLACK, LESTER, AND RATCHFORD; ASSISTANT PROFESSORS BLUM, DELAPLANE, EITEMAN, HON, LANDON, LEMERT, SHIELDS, SMITH, SPRINGER AND WELFLING; DRs. BERRY, GREGORY, AND KEECH; MR. VAN VOORHIS; MESSRS. BRYSON, HARRIS, HOLMES, AND MILLER (PART-TIME)

ECONOMICS

51-52. Principles of Economics.—6 s.h.

PROFESSORS DE VYVER, SPENGLER, AND VON BECKERATH; ASSISTANT PROFESSORS BLUM, DELAPLANE, EITEMAN, HON, LANDON, SMITH, AND WELFLING; DRs. BERRY AND GREGORY

103. Transportation.—3 s.h.

ASSISTANT PROFESSOR LANDON

107. Conservation.—3 s.h.

ASSISTANT PROFESSOR LEMERT

[Not offered in 1943-44]

138. Business Statistics.—3 s.h.

ASSISTANT PROFESSORS SPRINGER AND SMITH; ASSOCIATE PROFESSOR SCATES; DR. BERRY

139. Advanced Business Statistics.—Prerequisite: Economics 138 or the equivalent. 3 s.h. ASSISTANT PROFESSORS SPRINGER AND SMITH

143. Corporation Finance.—3 s.h.

ASSISTANT PROFESSORS DELAPLANE, EITEMAN, HON, AND SMITH; DR. GREGORY

144. Investments.—Prerequisite: Economics 57-58 and 143. 3 s.h.

ASSISTANT PROFESSORS EITEMAN, HON, AND DELAPLANE

153. Money and Banking.—3 s.h.

ASSOCIATE PROFESSORS LESTER AND RATCHFORD; ASSISTANT PROFESSORS BLUM, HON, AND WELFLING

154. Advanced Money and Banking.—3 s.h.

ASSOCIATE PROFESSORS LESTER AND RATCHFORD; ASSISTANT PROFESSOR BLUM

169. Economics of Consumption.—3 s.h.

ASSISTANT PROFESSOR SMITH

186. Latin-American Economics.—3 s.h. ASSISTANT PROFESSOR SMITH
187. Public Finance.—3 s.h.
ASSOCIATE PROFESSOR RATCHFORD; ASSISTANT PROFESSOR HON
217. Population, Resources, and Standards of Living.—3 s.h.
PROFESSOR SPENGLER
218. Business Cycles.—3 s.h. ASSOCIATE PROFESSOR LESTER
230. Public Debts in the United States.—Prerequisite: Economics 187 or equivalent. 3 s.h.
ASSOCIATE PROFESSOR RATCHFORD
[Not offered in 1943-44]
231. The Economic History of Modern Europe.—3 s.h.
PROFESSOR HAMILTON
232. The Economic History of the United States.—3 s.h.
PROFESSOR HAMILTON
233. State and Local Finance.—Prerequisite: Economics 187 or equivalent. 3 s.h.
ASSOCIATE PROFESSOR RATCHFORD
234. Federal Finance.—Prerequisite: Economics 187 or equivalent. 3 s.h.
ASSOCIATE PROFESSOR RATCHFORD
- 237-238. Statistical Methods.—Prerequisite: Economics 138 or consent of the instructor. 6 s.h.
ASSISTANT PROFESSOR SPRINGER
[Not offered in 1943-44]
239. Prices.—3 s.h. PROFESSOR HAMILTON
- 241-242. Value and Distribution.—6 s.h. PROFESSOR SPENGLER
245. Problems of Modern Industrialism.—3 s.h.
PROFESSOR VON BECKERATH
253. Labor Problems.—3 s.h. PROFESSOR DE VYVER
256. Labor Legislation.—Prerequisite: Economics 253 or with the consent of the instructor. 3 s.h.
PROFESSOR DE VYVER
258. Personnel Management.—Prerequisite: Economics 253. 3 s.h.
PROFESSOR DE VYVER
260. Social Insurance.—3 s.h.
[Not offered in 1943-44] PROFESSOR DE VYVER
265. International Trade and Tariff Policies.—3 s.h.
PROFESSOR VON BECKERATH
266. International Finance.—3 s.h.
[Not offered in 1943-44] PROFESSOR HAMILTON
268. Competitive Versus Monopolistic Enterprise.—3 s.h.
PROFESSOR VON BECKERATH
270. Economics of War.—3 s.h. PROFESSOR HAMILTON
280. Advanced Economic Problems.—3 s.h.
ASSOCIATE PROFESSORS LESTER AND RATCHFORD;
ASSISTANT PROFESSOR WELFLING

Required of all Seniors majoring in Economics and open with permission to Seniors in the Business Administration Group.

BUSINESS ADMINISTRATION**A. ACCOUNTANCY**

57-58. **Principles of Accounting.**—6 s.h.

PROFESSOR DE VYVER; ASSISTANT PROFESSOR BLUM; MR. VAN VOORHIS

171-172. **Advanced Accounting.**—6 s.h. ASSISTANT PROFESSOR SHIELDS

173-174. **Auditing, Theory and Practice.**—Prerequisite: Economics 171-172 and permission of the instructor. 6 s.h. ASSISTANT PROFESSOR SHIELDS

175-176. **C. P. A. Review.**—Prerequisite: Economics 171-172 and permission of the instructor. 6 s.h. ASSOCIATE PROFESSOR BLACK; MR. HARRIS

177. **Income Tax Accounting.**—Prerequisite: Economics 171-172 or permission of the instructor. 3 s.h. ASSISTANT PROFESSOR SHIELDS

178. **Accounting Systems.**—Prerequisite: Economics 171-172 or permission of the instructor. 3 s.h. ASSISTANT PROFESSOR SHIELDS
[Not offered in 1943-44]

180. **Governmental Accounting.**—Prerequisite: Economics 57-58 and permission of the instructor. 3 s.h. ASSISTANT PROFESSOR SHIELDS

275-276. **Advanced Industrial Accounting and Management.**—Prerequisite: Economics 171-172 or permission of the instructor. 6 s.h.
ASSOCIATE PROFESSOR BLACK; MR. VAN VOORHIS

B. COMMERCE AND INDUSTRY

11. **Economic Geography.**—3 s.h. ASSISTANT PROFESSOR LEMERT

105. **Industrial Management.**—3 s.h. DRS. KEECH AND BERRY

109. **The Economic Geography of Latin America.**—3 s.h.
ASSISTANT PROFESSOR LEMERT

115. **Economic Geography.**—3 s.h. ASSISTANT PROFESSOR LEMERT

116. **Economic Geography and Industrial Organization.**—Prerequisite: Economics 115. 3 s.h. ASSISTANT PROFESSOR LEMERT

118. **Economic Geography of the South.**—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR LEMERT

120. **Economic Geography of the Pacific.**—3 s.h.
ASSISTANT PROFESSOR LEMERT

158. **Insurance.**—3 s.h. DR. BERRY

168. **Marketing.**—3 s.h. ASSISTANT PROFESSOR LANDON; DR. GREGORY

181-182. **Business Law.**—6 s.h.
ASSISTANT PROFESSOR SPRINGER; MESSRS. BRYSON AND MILLER

184. **Commercial Law for Accountants.**—3 s.h.
ASSOCIATE PROFESSOR BLACK; MR. VAN VOORHIS

DEPARTMENTAL MAJOR

Prerequisites: Economics 51-52, Principles of Economics. 6 s.h. This course is ordinarily taken in the Sophomore year but may be taken by a selected group of Freshmen.

Major Requirements: Twenty-four semester hours in addition to Economics 51-52, to be arranged as follows:

- (1) Economics 138.—Business Statistics.—3 s.h.

This course may be taken the second semester of the Sophomore year or during the Junior year. It may be taken by departmental majors in their Senior year only with permission of the Director of Undergraduate Studies.

- (2) Economics 153.—Money and Banking.—3 s.h.

- (3) Senior-Graduate Courses.—6 s.h.

At least six semester hours must be chosen from Senior-Graduate courses offered in Economics.

- (4) Economics 280.—Advanced Economic Problems.—3 s.h.

This course is required of all majors in the Department and is also open to Seniors in the Business Administration Group. It may not be counted as part of the Senior-Graduate course requirement.

- (5) Additional Course Work.—9 s.h.

In addition to the special requirements outlined under (1), (2), and (3) above, majors in the Department must elect nine semester hours from courses offered in Economics for Juniors and Seniors. Six hours of Accounting and six hours in Commerce and Industry may be counted toward the completion of this requirement.

- (6) Additional work in the Department.

Twenty-four semester hours of work in the Department is a minimum for a major in Economics. According to the general University regulations, however, majors may take additional work in the subdepartments (Accounting and Commerce and Industry) not to exceed a total in the Department and subdepartments of fifty-four semester hours.

Note: Students who take Economics 51-52 in their Freshman year may in their Sophomore year enroll in courses in the department ordinarily open only to Juniors.

EDUCATION

PROFESSOR HOLTON, CHAIRMAN; PROFESSOR PROCTOR, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR EASLEY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BROWNELL, CARR, AND CHILDS; ASSOCIATE PROFESSOR SCATES; VISITING ASSISTANT PROFESSOR VAN ALSTYNE; DR. WATSON; AND ASSISTANTS

1. Orientation Course in Study and Study Habits.—3 s.h. STAFF

4. Introductory Course in History of Education.—3 s.h. STAFF

6. A Study of Reading Skills.—3 s.h.
VISITING ASSISTANT PROFESSOR VAN ALSTYNE

8. The Learning Process.—3 s.h. STAFF

54. Introductory Course in History of Education.—3 s.h.
PROFESSORS HOLTON AND CARR

58. The Learning Process.—3 s.h. DR. WATSON

68. Mental Hygiene of the School Child.—3 s.h.
VISITING ASSISTANT PROFESSOR VAN ALSTYNE

83. Current Trends in American Public School Organization.—3 s.h.
PROFESSOR PROCTOR

101. Introduction to Teaching.—3 s.h. PROFESSOR CARR

103. School Organization and Administration for the Classroom Teacher.—3 s.h. PROFESSOR PROCTOR

105. Introduction to Educational Sociology.—3 s.h. PROFESSOR CHILDS

112. **Methods of Teaching and Presentation of Subject Matter in the Primary Schools.**—Prerequisite: course 101. 4 s.h. PROFESSOR CARR

A. **Integrated Art in the Public School.** MRS. MASON
[Not offered in 1943-44, unless as many as eight students enroll.]

B. **Industrial Art in the Public School.** MRS. MASON
[Not offered in 1943-44, unless as many as eight students enroll.]

115-116. **Secondary Education: Principles and Practice.**—6 or 8 s.h.
PROFESSOR CHILDS AND ASSISTANTS

118. **Educational Implications of Genetic Psychology.**—3 s.h.
PROFESSOR BROWNELL

122. **Methods of Teaching and Presentation of Subject Matter in the Grammar Grades.**—Prerequisite: course 101. 4 s.h. PROFESSOR CARR

128. **Tests and Measurements in Personnel Work.**—3 s.h. DR. WATSON

131. **Observation and Practice Teaching.**—1 s.h. PROFESSOR CARR

132. **Materials and Methods in Health Education.**—3 s.h.
ASSISTANT PROFESSOR AYCOCK

136. **The Teaching of High-School English.**—3 s.h.
ASSISTANT PROFESSOR JORDAN

142. **Children's Literature.**—3 s.h. PROFESSOR CARR

158. **Educational Measurements.**—3 s.h. ASSOCIATE PROFESSOR SCATES

170. **The Social and Economic Position of Women.**—2 s.h. MRS. SMITH

176. **Materials and Methods in High-School Science.**—Prerequisite: at least eighteen hours of science in college. 3 s.h.
ASSOCIATE PROFESSOR SCATES

185. **The Teaching of Religion and Ethics.**—3 s.h.
ASSISTANT PROFESSOR CRUM

200. **Introduction to the Philosophy of Education.**—3 s.h.
PROFESSOR HOLTON

203. **Principles of School Administration.**—Prerequisite: six semester hours of courses 103 and 58 or their equivalent. 3 s.h. PROFESSOR PROCTOR

205. **Curriculum Problems in Secondary Education.**—3 s.h.
[Not offered in 1943-44] PROFESSOR CHILDS

206. **Sociological Foundations of the Secondary School Subjects.**—Prerequisite: general sociology or approved work in education, including course 105. 3 s.h. PROFESSOR CHILDS

207. **Technique of Teaching.**—3 s.h. PROFESSOR CARR
[Not offered in 1943-44]

208. **Mental Tests and Applications.**—Prerequisite: course 258 or six semester hours of other work in educational psychology or psychology. 3 s.h.
VISITING ASSISTANT PROFESSOR VAN ALSTYNE

208B. **Mental Tests and Applications.**—2 s.h.
VISITING ASSISTANT PROFESSOR VAN ALSTYNE

209. **Statistical Methods Applied to Education.**—2 s.h.
ASSOCIATE PROFESSOR SCATES

212. **Psychology of the Elementary School Subjects.**—3 s.h.
PROFESSOR CARR

214. **History of Education in the United States.**—3 s.h.
[Not offered in 1943-44] PROFESSOR HOLTON

216. **Psychological Principles of Secondary Education.**—3 s.h.
[Not offered in 1943-44] PROFESSOR CHILDS

217. **Advanced Educational Psychology.**—3 s.h. PROFESSOR BROWNELL

218. **Educational Implications of Genetic Psychology.**—Prerequisite: six semester hours of psychology or educational psychology. 3 s.h.
PROFESSOR BROWNELL

219. **Experimental Education.**—3 s.h.
[Not offered in 1943-44] PROFESSOR BROWNELL

222. **The Curriculum and Materials of the Elementary Grades.**—3 s.h.
[Not offered in 1943-44] PROFESSOR CARR

225. **The Teaching of History and the Social Studies.**—3 s.h.
ASSISTANT PROFESSOR MANCHESTER

227. **The Psychology of Learning: Problems.**—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR EASLEY

228. **The Psychology of Learning: Theoretical and Experimental.**—Prerequisite: course 227 or its equivalent. 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR EASLEY

232. **Elementary School Supervision.**—3 s.h.
[Not offered in 1943-44] PROFESSOR CARR

233. **Administrative Pupil-Accounting.**—3 s.h. PROFESSOR PROCTOR

234. **Secondary School Organization and Administration.**—3 s.h.
PROFESSOR PROCTOR

237. **Investigations in Reading.**—3 s.h. PROFESSOR CARR

244. **Studies in the Historical Development of Public School Administration.**—3 s.h.
[Not offered in 1943-44] PROFESSOR HOLTON

246. **The Teaching of Mathematics.**—3 s.h.
[Not offered unless enrollment justifies.] PROFESSOR RANKIN

247. **Investigations in Arithmetic.**—3 s.h. PROFESSOR BROWNELL

253. Legal Phases of School Administration.—3 s.h. PROFESSOR HOLTON
[Not offered in 1943-44]
254. History of Secondary Education in the United States.—3 s.h.
PROFESSOR PROCTOR
258. Educational Measurements.—Prerequisite: twelve semester hours in the Department, including a course in educational psychology. 3 s.h.
ASSOCIATE PROFESSOR SCATES
264. Recent Movements in American Education.—3 s.h.
[Not offered in 1943-44] PROFESSOR HOLTON
266. The Teaching of High-School French.—3 s.h. PROFESSOR WEBB
294. Comparative Education: Recent Movements in European Educational Systems.—3 s.h. PROFESSOR CARR

DEPARTMENTAL MAJOR

A major in the Department of Education consists of twenty-four semester hours of work above the Freshman year, not including any work listed as primarily for Freshmen, and including at least six semester hours of courses limited to Seniors or to Seniors and Graduates. Students, however, who obtain credit for courses 4 and 8 will be permitted to complete a major by taking twenty hours of additional work in the Department, provided twelve hours are courses limited to Seniors or to Seniors and Graduates. Before graduation, majors in the Department must have credit for at least one course in educational psychology, such as 8, 58, or 68, and one course in history and philosophy of education, or in educational sociology. The remainder of their work may be elected from courses listed for Sophomores, Juniors, and Seniors, provided at least six semester hours of the course work are taken from courses listed for Seniors and Graduates, and provided that not more than six semester hours may be of courses numbered below 100.

DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in education who have passed with grade of "B" or better in their Freshman or Sophomore years six semester hours of education.

Candidates for Honors in education are required to take in the Junior year twelve semester hours in the Department and to make an average of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of twelve semester hours of supervised reading in education, the candidate must elect with the approval of the Departmental Committee on Honors six semester hours of work from the courses in education offered in the 200 group, on which he is required to make a grade of "B" or better and twelve semester hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester hours shall be devoted to the History of Education; the remaining six semester hours shall be devoted to Educational Psychology, or Secondary Education, or Elementary Education, or Public School Administration as the student may elect and the Departmental Committee approve. In exceptional cases, qualified students may be permitted to take six semester hours of the supervised reading during the Junior year and increase the amount of course work in the Department the Senior year.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental

Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

ENGLISH

PROFESSOR WHITE, CHAIRMAN; ASSISTANT PROFESSOR SANDERS, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BAUM, GILBERT, GOHDES, HUBBELL, AND IRVING; ASSOCIATE PROFESSORS BLACKBURN, PATTON, MITCHELL, AND WARD; ASSISTANT PROFESSORS BEVINGTON, HERRING, JORDAN, LEARY, SUGDEN, TALBERT, VANCE, WEST, AND WHITE; DRs. CARPENTER, HARWELL, AND POTEAT; MESSRS. BRICE AND FITZGERALD

COMPOSITION

English L.—3 s.h. DR. HARWELL AND MR. FITZGERALD

1-2. English Composition.—6 s.h.

ASSOCIATE PROFESSORS BLACKBURN, PATTON, AND WARD; ASSISTANT PROFESSORS BEVINGTON, JORDAN, LEARY, SANDERS, SUGDEN, VANCE, AND WHITE; DRs. CARPENTER, HARWELL, AND POTEAT; MESSRS. BRICE AND FITZGERALD

53. English Composition.—3 s.h. ASSISTANT PROFESSOR JORDAN

54. Composition.—3 s.h. ASSISTANT PROFESSOR JORDAN

65-66. Approaches to Imaginative Writing.—6 s.h.

ASSISTANT PROFESSOR SANDERS AND DR. CARPENTER

101-102. Composition.—6 s.h. ASSOCIATE PROFESSOR MITCHELL

103-104. Composition.—6 s.h. ASSOCIATE PROFESSOR BLACKBURN

107-108. Journalism.—6 s.h. ASSISTANT PROFESSOR SUGDEN

109-110. Composition.—6 s.h. ASSOCIATE PROFESSOR BLACKBURN

133-134. Verse-Writing. PROFESSOR WHITE

[Not offered in 1943-44]

DRAMATICS AND SPEECH

105-106. Play-Writing.—6 s.h. ASSISTANT PROFESSOR WEST

119-120. History of the Theater.—6 s.h. ASSISTANT PROFESSOR WEST

121-122. Play-Production.—6 s.h. ASSISTANT PROFESSOR WEST

139-140. The Speaking Voice.—6 s.h. ASSISTANT PROFESSOR WEST

FOR SOPHOMORES, JUNIORS, AND SENIORS

151. Speech.—3 s.h. ASSISTANT PROFESSOR HERRING AND MR. _____

152. Argumentation.—Prerequisite: English 151. 3 s.h.
ASSISTANT PROFESSOR HERRING AND MR. _____

ENGLISH AND AMERICAN LITERATURE AND LANGUAGE

55-56. Representative Writers.—6 s.h.

PROFESSOR IRVING, ASSOCIATE PROFESSORS BLACKBURN AND WARD, ASSISTANT PROFESSORS SANDERS, SUGDEN, VANCE, AND DR. POTEAT

- 63-64. A Survey of English Poetry.—6 s.h.
ASSOCIATE PROFESSOR MITCHELL
- 123-124. Shakespeare.—6 s.h.
PROFESSOR BROWN AND ASSISTANT PROFESSOR TALBERT
- 125-126. English Literature, 1789-1832.—6 s.h.
PROFESSOR WHITE, ASSOCIATE PROFESSOR PATTON,
AND ASSISTANT PROFESSOR WHITE
- 127-128. English Prose Literature, 1832-1900.—6 s.h.
ASSISTANT PROFESSOR BEVINGTON
- 129-130. The History of the Novel in England.—6 s.h.
ASSOCIATE PROFESSOR MITCHELL AND ASSISTANT PROFESSOR VANCE
- 133-134. Verse-Writing.—3 s.h.
[Not offered in 1943-44] PROFESSOR WHITE
- 137-138. American Literature.—6 s.h.
PROFESSOR GOHDES AND ASSISTANT PROFESSOR LEARY
142. Materials and Methods in High-School English.—3 s.h.
ASSISTANT PROFESSOR JORDAN
- 145-146. English Poetry, 1832-1900.—6 s.h.
ASSISTANT PROFESSOR SANDERS
- 153-154. Comparative Literature.—6 s.h.
PROFESSOR IRVING
- 155-156. Contemporary Drama.—6 s.h.
ASSISTANT PROFESSOR WHITE
- 157-158. Contemporary British and American Fiction.—6 s.h.
ASSISTANT PROFESSOR LEARY
- 159-160. English Literary Biography.—6 s.h.
PROFESSOR WHITE
- 161-162. The History of the English Language.
[Not offered in 1943-44] ASSISTANT PROFESSOR TALBERT
- 165-166. The Short Story in America.—6 s.h.
PROFESSORS HUBBELL AND GOHDES
- 167-168. English Prose of the Romantic Period.—6 s.h.
ASSOCIATE PROFESSOR PATTON

FOR SENIORS AND GRADUATES

- 201-202. Anglo-Saxon.—6 s.h.
PROFESSOR ———
- 203-204. Chaucer.—6 s.h.
[Not offered in 1943-44] PROFESSOR BAUM
- 207-208. English Literature, 1400-1550.—6 s.h.
[Not offered in 1943-44] PROFESSOR BAUM
- 209-210. English Literature, 1625-1700.—6 s.h.
ASSOCIATE PROFESSOR WARD
- 211-212. Nondramatic English Literature, 1550-1625.—6 s.h.
PROFESSOR GILBERT
- 213-214. Folk-Lore and Folk-Songs.—6 s.h.
[Not offered in 1943-44] PROFESSOR ———
- 215-216. Elizabethan Drama.—6 s.h.
ASSISTANT PROFESSOR TALBERT

217. Spenser.—3 s.h.	PROFESSOR GILBERT
218. Milton.—3 s.h.	PROFESSOR GILBERT
219-220. English Literature of the Eighteenth Century.—6 s.h.	PROFESSOR IRVING
227-228. Literary Criticism.—6 s.h.	PROFESSOR GILBERT
229-230. American Literature, 1800-1870.—6 s.h.	PROFESSOR HUBBELL
231-232. Special Studies in American Authors.—6 s.h. [Not offered in 1943-44]	PROFESSOR GOHDES
233-234. American Literature since 1870.—6 s.h.	PROFESSOR GOHDES
239-240. Shakespeare Problems.—6 s.h. [349-350b offered instead of this in 1943-44.]	PROFESSOR ———
269. Southern Literature and Culture.—3 s.h. [Not offered in 1943-44]	PROFESSOR HUBBELL

DEPARTMENTAL MAJOR

Prerequisites: English 1 and 2.

Requirements for the Major: A major in English consists of twenty-four semester hours of credit distributed as follows: *six* hours must be carried in English 55-56 or in English 63-64 and *eighteen* hours credit, in courses in English and American literature of the 100 or 200 group.

FORESTRY

Students without a Bachelor's degree who are preparing for work in forestry as a profession should take the courses outlined under the Academic-Forestry Combination (see pages 78-79). However, with the consent of the instructor in charge, certain forestry courses may be elected by students in other curricula provided they have had adequate preparation (see *Bulletin of the School of Forestry*).

Members of the Sophomore, Junior, and Senior classes may elect the following course:

52. Principles of Forestry.—2 s.h.	ASSOCIATE PROFESSOR MAUGHAN
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GEOLOGY

ASSOCIATE PROFESSOR BERRY

51. General Geology.—4 s.h.	ASSOCIATE PROFESSOR BERRY
52. General Geology.—Prerequisite: Geology 51. 4 s.h.	ASSOCIATE PROFESSOR BERRY
53. Physiography.—4 s.h.	ASSOCIATE PROFESSOR BERRY
101-102. Mineralogy.—Prerequisite: Chemistry 1-2 (can be taken concurrently). 8 s.h.	ASSOCIATE PROFESSOR BERRY
151. Economic Geology.—Prerequisite: Geology 101-102. 4 s.h.	ASSOCIATE PROFESSOR BERRY
152. Introductory Paleontology.—Prerequisites: Geology 51, 52, and Zoology 1. 4 s.h.	ASSOCIATE PROFESSOR BERRY

DEPARTMENTAL MAJOR

Prerequisites: None for Geology 51. Chemistry 1-2 for Geology 101-102; Zoology 1 for Geology 152.

Major Requirements: Geology 51, 52, 101-102, 151, 152.

GERMAN LANGUAGE AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN; ASSISTANT PROFESSOR MAXWELL, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR WILSON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSOR KRUMMEL; DR. SHEARS; MR. NAU

1-2. Elementary German.—6 s.h.

ASSISTANT PROFESSOR WILSON AND STAFF

3-4. Intermediate German.—6 s.h.

PROFESSOR KRUMMEL AND STAFF

51-52. Third-Year German.—6 s.h.

101-102. Elementary German.—6 s.h.

103-104. Intermediate German.—6 s.h.

ASSISTANT PROFESSOR WILSON

107. Scientific German.—3 s.h.

PROFESSOR KRUMMEL AND DR. SHEARS

108. Advanced Scientific and Medical German.—3 s.h.

PROFESSORS KRUMMEL AND VOLLMER

109-110. German Prose Fiction.—6 s.h.

PROFESSOR KRUMMEL

[Not offered in 1943-44]

111-112. Introduction to the Classic Drama.—6 s.h.

ASSISTANT PROFESSOR WILSON

113-114. Nineteenth-Century German Poetry.—6 s.h.

[Not offered in 1943-44]

ASSISTANT PROFESSOR WILSON

115-116. German Drama of the Nineteenth Century.—6 s.h.

PROFESSOR KRUMMEL

117-118. German Conversation.—6 s.h.

PROFESSOR VOLLMER

119-120. German Literature in English Translation.—6 s.h.

PROFESSOR VOLLMER

121-122. Schiller.—6 s.h.

PROFESSOR VOLLMER

123-124. Modern German Short Story.—6 s.h.

DR. SHEARS

[Not offered in 1943-44]

125-126. Contemporary German Literature.—6 s.h.

DR. SHEARS

129-130. Military and Service German.—3 s.h. per semester.

201-202. Goethe.—6 s.h.

PROFESSOR KRUMMEL

207-208. German Romanticism.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1943-44]

209-210. Kleist, Grillparzer, and Hebbel.—6 s.h.

PROFESSOR KRUMMEL

[Not offered in 1943-44]

211-212. Heinrich Heine and Young Germany.—6 s.h.

PROFESSOR VOLLMER

213-214. Literature of the Empire, 1871-1914.—6 s.h. PROFESSOR VOLLMER
[Not offered in 1943-44]

DEPARTMENTAL MAJOR

1. *Prerequisites*: German 1-2 and 3-4.

2. *Major Requirements*: Twenty-four hours in the German Department. Twelve of these must be selected from the 200 courses. The remaining twelve may be selected from German 51-52 and any courses in the 100 group except 101-102, 103-104, and 119-120.

HONORS IN GERMAN

Prerequisites:

1. For admission to candidacy for Honors in German, a student must have begun the study of the language not later than the Freshman year in college.

2. A student who has completed at least 12 s.h. of college German by the end of the Sophomore year with a grade of "A" or "B" (equivalent courses in secondary schools or in other colleges may be presented as substitutes) is eligible to apply to the Departmental Committee for permission to read for Honors in German.

General Rules:

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester hours of work.

II. *Work in the German Department*: The amount of work taken in the German Department shall be the equivalent of thirty-six semester hours. Of this the work done in the Honors tutorials shall count twelve hours, six hours for the Junior year and six hours for the Senior year. The comprehensive examinations at the end of the Senior year are counted as part of this twelve semester hours credit.

III. *Related Work*: The related work, which constitutes at least two fifths of the Honors program, that is, the equivalent of twenty-four semester hours, must be distributed among not less than two departments, unless the Departmental Committee gives special permission for the student to take his related work in one department.

IV. *General Honors Examinations*: In May of the Senior year the candidate will be given a general written examination, conducted by his Adviser, on his Honors Reading. A general oral examination, conducted by the Departmental Committee and presupposing a general knowledge of the development of German culture and civilization and a practical ability in the use of the German language, will also be conducted in May.

GREEK

PROFESSOR PEPPLER, CHAIRMAN, AND DIRECTOR OF UNDERGRADUATE STUDIES; DR.
ROSE, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSISTANT
PROFESSOR WAY; DR. TRUESDALE

1-2. Course for Beginners.—6 s.h.

PROFESSOR PEPPLER

53-54. Xenophon.—6 s.h.

DR. ROSE

105-106. Homer.—6 s.h.

PROFESSOR PEPPLER

107-108. Plato.—6 s.h.

ASSISTANT PROFESSOR WAY

15. Mythology.—3 s.h.

DR. ROSE

- 115-116. Sight Reading in Greek.—4 s.h.
ASSISTANT PROFESSOR WAY AND DR. ROSE
- 117-118. Greek Prose Composition.—3 s.h. PROFESSOR PEPPLER
- 121-122. Greek Literature in English Translation.—6 s.h.
PROFESSOR PEPPLER
- 141-142. Greek Art.—6 s.h. ASSISTANT PROFESSOR WAY
131. History of Greece.—3 s.h. ASSISTANT PROFESSOR WAY
- 203-204. Homer. Pindar and Bacchylides.—6 s.h.
ASSISTANT PROFESSOR WAY AND DR. TRUESDALE
- 207-208. Greek Orators.—6 s.h. ASSISTANT PROFESSOR WAY
- 209-210. Plato.—6 s.h. ASSISTANT PROFESSOR WAY
243. Athenian Topography.—3 s.h. ASSISTANT PROFESSOR WAY
244. Greek Epigraphy.—3 s.h. ASSISTANT PROFESSOR WAY
245. Greek Dialects.—3 s.h. ASSISTANT PROFESSOR WAY
246. Greek Historical Inscriptions.—3 s.h. ASSISTANT PROFESSOR WAY
- 247-248. Greek Archaeology.—6 s.h. ASSISTANT PROFESSOR WAY
257. Social and Cultural History of the Hellenistic World from Alexander
to Augustus.—3 s.h. DR. TRUESDALE
[Not offered in 1943-44]

DEPARTMENTAL MAJOR

Prerequisite: Greek 1-2.

Major Requirements: A candidate for a major in Greek must complete twenty-four semester hours, including the following courses: Greek 53-54, 105-106, 107-108, 117-118, and 131.

DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in Greek the student must have completed Greek 1-2 and 53-54 or their equivalent.

Candidates for Honors must complete the following program of work:

- (a) Greek 105-106, 131, 141-142, 107-108, 122, and 117-118.
- (b) Four year-courses in related departments.
- (c) The Honors Reading. This is tutorial work in which the student is required to read assigned portions of Greek literature by himself, to write papers on topics related to his reading, and to meet the Honors Adviser in weekly conferences for the discussion of the literature that he is reading independently. For the Honors Reading a credit of nine semester hours is given.

Students who enter the University with advanced standing in Greek take higher courses in the language than those listed above.

At the end of the Senior year candidates for Honors must pass a comprehensive examination in writing on the subject matter covered by their studies in Greek.

Graduates of Duke University may attend the American School of Classical Studies at Athens, Greece, without charge for tuition, and are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology and one in the language, literature,

and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.

HEALTH AND PHYSICAL EDUCATION

TRINITY COLLEGE AND THE COLLEGE OF ENGINEERING

MR. WADE, DIRECTOR; MR. CAMERON, ACTING DIRECTOR; MESSRS. AYCOCK, CALDWELL, CARD, CHAMBERS, COOMBS, COX, CRICHTON, FOGLEMAN, GERARD, HAGLER, LEWIS, MONTFORT, PERSONS, POTTER, STANLEY

PHYSICAL EDUCATION CLASSES

1-2. Basketball.—1½ s.h.	MR. CALDWELL
3-4. Boxing.—1½ s.h.	MR. POTTER
5-6. Individual Corrective Activities.—1½ s.h.	MR. AYCOCK
7-8. Handball.—1½ s.h.	MR. GERARD
9-10. Softball.—1½ s.h.	MR. STANLEY
11-12. Soccer Football.—1½ s.h.	MR. GERARD
13-14. Swimming.—1½ s.h.	MR. PERSONS
15-16. Touch Football.—1½ s.h.	MR. GERARD
17-18. Tennis.—1½ s.h.	MR. COX
19-20. Tumbling Stunts.—1½ s.h.	MR. CARD
21-22. Postural Training.—1½ s.h.	MR. AYCOCK
25-26. Wrestling.—1½ s.h.	MR. POTTER
27-28. Apparatus Stunts.—1½ s.h.	MR. CARD
49. Lacrosse.—1½ s.h.	MR. POTTER
55-56. Individual Corrective Activities.—1½ s.h.	MR. AYCOCK
59. Baseball.—1½ s.h.	MR. COOMBS
61-62. Golf.—1½ s.h.	MR. CRICHTON AND MR. HAGLER
63-64. Advanced Tennis.—1½ s.h.	MR. COX
65-66. Advanced Apparatus.—1½ s.h.	MR. AYCOCK

INTERCOLLEGIATE ATHLETIC SPORTS

FRESHMEN	VARSITY
30. Baseball.—1½ s.h.	70. Lacrosse.—1½ s.h.
32. Basketball.—1½ s.h.	80. Baseball.—1½ s.h.
37. Football.—1½ s.h.	82. Basketball.—1½ s.h.
38. Football.—1½ s.h.	83. Basketball.—1½ s.h.
41. Cross Country.—1½ s.h.	87. Football.—1½ s.h.
42. Swimming.—1½ s.h.	88. Football.—1½ s.h.

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| 44. Tennis.—1½ s.h. | 90. Golf.—1½ s.h. |
| 46. Track.—1½ s.h. | 91. Cross Country.—1½ s.h. |
| 48. Wrestling.—1½ s.h. | 92. Tennis.—1½ s.h. |
| 50. Lacrosse.—1½ s.h. | 93. Soccer Football.—1½ s.h. |
| | 94. Swimming.—1½ s.h. |
| | 95. Track.—1½ s.h. |
| | 96. Track.—1½ s.h. |
| | 98. Wrestling.—1½ s.h. |

ELECTIVES IN PHYSICAL EDUCATION

Students in Group VI A may elect fifteen semester hours from the courses offered below. Six semester hours may be elected from the courses listed under Special Methods in Physical Education and nine semester hours may be elected from the courses listed under Theory and Practice in Physical Education.

These courses are arranged to meet the increasing demand for teachers who are qualified to coach and teach physical education. These courses should be selected with the advice of the Director of Undergraduate Studies in order to meet the needs of the individual.

SPECIAL METHODS IN PHYSICAL EDUCATION

163. Athletic Coaching in Secondary Schools.—Prerequisites: courses 30 or 80 and 21-22 or 46 or 96 or their equivalent. 3 s.h.

MR. COOMBS, MR. CHAMBERS

164. Athletic Coaching in Secondary Schools.—Prerequisites: courses 37 or 87 and 1-2 or 32 or 82 or their equivalent. 3 s.h.

MR. CAMERON, MR. STANLEY

THEORY AND PRACTICE IN PHYSICAL EDUCATION

65. History and Principles of Physical Education.—3. s.h.

MR. AYCOCK, MR. GERARD

172. Recreational Leadership.—3 s.h.

MR. GERARD

173. Individual Gymnastics.—3 s.h.

MR. AYCOCK

182. The Administration of Health and Physical Education in Secondary Schools.—3 s.h.

MR. AYCOCK, MR. GERARD

187. School Programs of Physical Education.—3 s.h.

MR. GERARD

190. Protective Practices in Physical Education.—3 s.h.

MR. CHAMBERS

WOMAN'S COLLEGE

ASSISTANT PROFESSOR GROUT, CHAIRMAN; MRS. ATKINSON, MRS. BOOKHOUT,
MISS LEWIS, MISS PETERSON, MISS SMITH, AND MISS WEEKS

PHYSICAL EDUCATION ACTIVITIES

Six hours of credit in physical education, with an average grade of "C," must be completed for graduation. Two hours a week through the Junior year are needed to fulfill this requirement.

All students are given a physical and medical examination upon entering and at intervals throughout their college course. Classes in individual gymnastics and light sports are arranged for those who should not take the more active work.

October to December: Badminton, bowling, diving, golf, hockey, recreational sports, riding, soccer, swimming, tennis, volleyball.

December to March: Basketball, body mechanics, bowling, clog and tap dancing, folk dancing, social dancing, modern dance, rhythm fundamentals, fencing, individual gymnastics, life saving, riding, swimming, first aid.

March to May: Archery, badminton, bowling, diving, fencing, golf, life saving, modern dance, riding, softball, swimming, tennis, first aid, learning and directing recreational sports.

PHYSICAL EDUCATION THEORY

Students in Group VI A may receive academic credit for all courses listed below.

Students in Group VI B may receive academic credit for Physical Education 102, Health Education 41 and 112.

Students in all groups may receive credit for Physical Education 105-106, 108, and Health Education 41.

101. History and Principles of Physical Education.—2 s.h.

ASSISTANT PROFESSOR GROUT

102. The Teaching of Physical Education in Elementary Schools.—3 s.h.

MISS WEEKS

105-106. Methods and Materials in Recreation.—6 s.h.

Supervisor: ASSISTANT PROFESSOR GROUT. Teachers: ASSOCIATE PROFESSOR ADDOMS, ASSISTANT PROFESSOR WEST, MRS. ATKINSON, MR. BRUINSMA, MISS WEEKS, MRS. WILSON

108. Problems in Community Recreation.—3 s.h.

MISS —————

[Not offered in 1943-44]

114. Kinesiology.—3 s.h.

MRS. BOOKHOUT

118. Orthopedic and Remedial Physical Education.—3 s.h.

MRS. BOOKHOUT

119. Organization and Administration of Physical Education.—2 s.h.

ASSISTANT PROFESSOR GROUT

181-182. Methods and Materials in Physical Education.—6 s.h.

MISS SMITH AND STAFF

185-186. Advanced Methods and Materials in Physical Education.—6 s.h.

MISS SMITH AND STAFF

HEALTH EDUCATION

41. Personal Health Problems.—3 s.h.

MISS PETERSON

112. School Health Problems.—3 s.h.

MISS PETERSON

REQUIREMENTS FOR TEACHING HEALTH AND PHYSICAL EDUCATION IN PUBLIC SCHOOLS

The following requirements have been set up for students in Group VI A who wish to qualify as full-time or part-time teachers of Health and Physical Education. These requirements meet the standards of the North Carolina Department of Public Instruction for certification in Health and Physical Education and of most of the other states represented in the student body. Students preparing to teach in any state are advised to check with the department as to specific requirements.

Prerequisites: Zoology 1-2, Health Education 41.

Thirty semester hours, including Physical Education 101, 118, 119, 181-182, 185-186, Health Education 112, Zoology 53, 151.

Education Requirements: Consult Department of Education.

Students preparing to teach physical education and health on a part-time basis only are advised to take at least the following program:

Prerequisite: Health Education 41.

A minimum of fifteen semester hours including Physical Education 101, 119, 181-182, Health Education 112 and a physical education elective, three semester hours.

Education Requirements: Consult Department of Education.

HISTORY

PROFESSOR LAPRADE, CHAIRMAN; ASSOCIATE PROFESSOR NELSON, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR HAMILTON, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS BALDWIN, CARROLL, CLYDE, LAN-
NING, AND SYDNOR; ASSOCIATE PROFESSOR MANCHESTER; ASSISTANT
PROFESSORS MCCLOY, QUINN, ROBERT, STILL, AND WOODY; DRs.
BREWSTER, FERGUSON, PARKER, ROPP, AND WATSON; MR.
VAN DUSEN; MISS CHAFFIN (PART-TIME)

1-2. Historical Background of the World Today.—6 s.h.

PROFESSOR CLYDE; ASSOCIATE PROFESSORS MANCHESTER AND NELSON;
ASSISTANT PROFESSORS HAMILTON AND QUINN; DRs. BREWSTER
AND ROPP; MR. VAN DUSEN AND MISS CHAFFIN

51-52. Historical Background of the World Today.—6 s.h.

PROFESSOR BALDWIN AND ASSISTANT PROFESSOR MCCLOY
[Not open to Freshmen or to students who have had course 1-2.]

61-62. Russia and the Near East from Peter the Great to Stalin.—Pre- requisite: course 1-2 or 51-52. 6 s.h.

DR. ROPP

[Not offered in 1943-44]

63-64. Sea Power and Modern Navies.—6 s.h.

DR. ROPP

65-66. The Social and Cultural History of Western Europe in the Seven- teenth and Eighteenth Centuries.—6 s.h.

ASSISTANT PROFESSOR MCCLOY

91. Political and Social History of the United States to 1850.—3 s.h.

ASSISTANT PROFESSOR ROBERT, DR. BREWSTER, AND MR. VAN DUSEN

92. Political and Social History of the United States since 1850.—3 s.h.

ASSISTANT PROFESSOR ROBERT, DR. BREWSTER, AND MR. VAN DUSEN

101-102. Early European Civilization.—6 s.h.

ASSISTANT PROFESSOR QUINN

105-106. English Constitutional History.—6 s.h.

[Not offered in 1943-44]

ASSISTANT PROFESSOR HAMILTON

- 107-108. Social and Cultural History of England.—6 s.h. DR. FERGUSON
[Not offered in 1943-44]
- 109-110. Political and Cultural Foundations of Modern Europe, 1400-1648.—6 s.h. ASSOCIATE PROFESSOR NELSON
[Not offered in 1943-44]
114. History of the United States since Reconstruction.—3 s.h.
[Not offered in 1943-44] PROFESSOR LANNING
- 119-120. Social and Cultural History of the United States.—Prerequisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR ROBERT
- 121-122. The Church in American History.—Prerequisites: courses 91 and 92. 6 s.h. PROFESSOR BALDWIN
[Not offered in 1943-44]
- 123-124. English History.—6 s.h. PROFESSOR LAPRADE
125. The Ancient Regime, the French Revolution, and Napoleon.—3 s.h.
[Not offered in 1943-44] DR. PARKER
126. The Congress of Vienna and the Rise of the European Nations to 1870.—3 s.h. DR. PARKER
[Not offered in 1943-44]
127. History of Latin America Through the Formation of the National Governments.—3 s.h. PROFESSOR LANNING
128. Inter-American Affairs.—3 s.h. PROFESSOR LANNING
- Ancient History—Greek 131—Latin 131-132.
135. Main Currents in European History, 1815-1914.—3 s.h. ASSISTANT PROFESSOR HAMILTON
136. Europe since 1914, Including the Rise of the Totalitarian States, Russia, Italy, and Germany; the Second World War.—3 s.h. ASSISTANT PROFESSOR HAMILTON
- 141-142. The Far East from Commodore Perry to Chiang Kai-shek.—6 s.h. PROFESSOR CLYDE
- 153-154. The History of the South.—6 s.h. PROFESSOR SYDNOR
- FOR SENIORS AND GRADUATES
- 209-210. American Constitutional History.—Prerequisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR STILL
[Not offered in 1943-44]
211. The Teaching of History and the Social Studies (Education 225).—3 s.h. ASSOCIATE PROFESSOR MANCHESTER
- 215-216. The Foreign Policy and Diplomacy of the United States.—6 s.h.
[Not offered in 1943-44] PROFESSOR CLYDE
- 217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL
[Not offered in 1943-44]
- 219-220. The History of the European Proletariat.—6 s.h.
[Not offered in 1943-44] PROFESSOR CARROLL
- 221-222. The Age of the Renaissance.—6 s.h. ASSOCIATE PROFESSOR NELSON
[Not offered in 1943-44]

223-224. Medieval Institutions and Culture.—6 s.h.

ASSISTANT PROFESSOR QUINN

225-226. The Age of the Reformation.—6 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR NELSON

230. The Portuguese Empire and the Rise of Brazil.—3 s.h.

ASSOCIATE PROFESSOR MANCHESTER

231. Hispanic Colonies of the New World.—3 s.h.

PROFESSOR LANNING

[Not offered in 1943-44]

232. Hispanic Republics of the New World.—3 s.h.

PROFESSOR LANNING

[Not offered in 1943-44]

233. The Cultural and Institutional History of Colonial Hispanic America.—3 s.h.

PROFESSOR LANNING

234. Political and Social Problems in the Hispanic American Republics.—3 s.h.

PROFESSOR LANNING

241-242. The Foreign Relations and Diplomacy of the United States in the Pacific Area and the Far East.—6 s.h.

PROFESSOR CLYDE

263-264. American Colonial History and the Revolution, 1606-1783.—Prerequisites: courses 91 and 92. 6 s.h.

ASSISTANT PROFESSOR WOODY

265-266. The Westward Movement in the United States.—Prerequisites: courses 91 and 92. 6 s.h.

ASSISTANT PROFESSOR STILL

[Not offered in 1943-44]

DEPARTMENTAL MAJOR

Prerequisites: The Introductory Course in History (1-2 or 51-52).

Major Requirements: Students in the General Group desiring to take a major in history are required to elect twenty-four semester hours in the Department, including six semester hours in the Senior year from courses in the 200 group. Students desiring to take the more advanced courses in American history should elect courses 91 and 92 in the Sophomore or Junior year.

DEPARTMENTAL HONORS PROGRAM

Students may become candidates for Honors in history who have passed with a grade of "B" or better in their Freshman and Sophomore years courses 91 and 92 in addition to the introductory course in European history.

Candidates for Honors in history are required to take in the Junior year two courses in history offered in the 100 group and to make an average grade of "B" or better on this work. The remaining work in the Junior year will be chosen from related work and other electives with the consent of the Departmental Committee on Honors. In the Senior year, in addition to the equivalent of fifteen semester hours of supervised reading in history, the candidate must elect with the approval of the Departmental Committee on Honors six semester hours of work from the courses in history offered in the 200 group, on which he is required to make a grade of "B" or better, and nine semester hours of related or other elective work.

Of the supervised reading, which shall be done under the immediate supervision of members of the Departmental Committee on Honors, the equivalent of six semester hours shall be devoted to the classical historians such as Herodotus, Thucydides, Tacitus, Livy, Bede, the better-known chronicles, Machiavelli, Gibbon, Hume, Voltaire, Ranke, and others; the equivalent of nine semester hours shall be devoted to selected fields in either American or

European history as the student may elect and the Departmental Committee advise.

At the conclusion of the work the student shall be given an oral examination by a committee of three, consisting of the two members of the Departmental Committee on Honors in charge of his supervised reading and another member of the Department selected by the Departmental Committee.

LATIN AND ROMAN STUDIES

PROFESSOR ROGERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES;
DR. ROSE, SUPERVISOR OF FRESHMAN INSTRUCTION;
ASSISTANT PROFESSOR GATES

- | | |
|---|---------------------------------------|
| 1-2. Course for Beginners.—6 s.h. | DR. ROSE |
| 3. Cicero's Orations.—Prerequisite: two entrance units of Latin. 3 s.h. | ASSISTANT PROFESSOR GATES OR DR. ROSE |
| 4. Vergil's Aeneid.—Prerequisite: three entrance units and Latin 57 taken in the semester preceding admission to the course, unless Latin 3 was taken. 3 s.h. | ASSISTANT PROFESSOR GATES OR DR. ROSE |
| 41. Livy's History of Rome.—3 s.h. | THE STAFF |
| 42. Horace.—3 s.h. | THE STAFF |
| 53. Sallust and Tacitus.—Prerequisite: Latin 41-42 or an equivalent. 3 s.h. | DR. ROSE |
| 54. Catullus.—3 s.h. | DR. ROSE |
| 57. Sight Reading in Classical Latin.—1 s.h. | DR. ROSE |
| 58. Sight Reading in Medieval Latin.—Prerequisite: at least one of the following courses: Latin 3, 4, 41, 42, and 57, or an equivalent. 1 s.h. | DR. ROSE |
| 65-66. Latin Prose Composition.—2 s.h. | DR. ROSE |
| 101. Tacitus and Suetonius.—3 s.h. | PROFESSOR ROGERS |
| 102. Juvenal and Persius.—3 s.h. | PROFESSOR ROGERS |
| 103. The Roman Elegiac Poets. | |
| 104. Horace: Satires and Epistles. | |
| 105. Martial's Epigrams. | |
| 106. Letters of Pliny the Younger. | |
| 107. Livy: Ab Urbe Condita. | |
| 108. Cicero's Letters. | |
| 109. Materials and Methods.—Prerequisite: eighteen approved semester hours of college Latin, including courses 41-42, 53-54, or equivalent courses. 3 s.h. | |
| 111-112. Roman Literature in English Translation. | |
| 113-114. Roman Civilization. | |

- 115-116. Art and Architecture of Ancient Rome.
- 131-132. History of Rome.—6 s.h. PROFESSOR ROGERS
- 203-204. Roman Epic: Ennius, Vergil, Manilius, Lucan, Flaccus, Statius, Silius.—6 s.h. ASSISTANT PROFESSOR GATES
- 205-206. Roman Drama.—6 s.h. ASSISTANT PROFESSOR GATES
- 207-208. Roman Philosophy.
- 209-210. Vulgar Latin: Introduction to Romance Philology.
- 211-212. Roman Oratory.—6 s.h. PROFESSOR ROGERS
215. Roman Art and Archaeology.
216. Topography and Monuments of Ancient Rome.

DEPARTMENTAL MAJOR

Prerequisites: Latin 41-42, 65-66, or acceptable equivalents.

Major Requirements: Latin 53-54, 101-102, six semester hours in courses numbered from 103 to 108, and six semester hours in courses numbered from 200 to 299 to be taken in the Senior year.

In addition, all majors are expected to pursue course 131-132, History of Rome.

Majors who contemplate graduate work are reminded of the necessity of Greek, German, and French for such study.

LAW COURSES FOR ACADEMIC STUDENTS

The first-year program of the Law School will include the following courses:

<i>Subject</i>	<i>Semester Hours</i>
Agency	2
Contracts	6
Criminal Law and Its Administration	3
Family Law	2
Introduction to Procedure	3
Legal Bibliography	1
Personal Property	2
Possessory Estates	2
Torts	5
	26

MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN; PROFESSOR ELLIOTT, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR DRESSL, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS RANKIN AND THOMAS; ASSOCIATE PROFESSORS CARLITZ AND ROBERTS; ASSISTANT PROFESSORS HICKSON AND PATTERSON; DR. BOAS; MRS. BOAS (PART-TIME); MISS PIRKLE (PART-TIME); AND ASSISTANTS

1. Introduction to College Algebra.—3 s.h.

ASSISTANT PROFESSOR HICKSON AND STAFF

1A. College Algebra.—4 s.h.

PROFESSOR GERGEN AND STAFF

2. Trigonometry.—Prerequisite: Mathematics 1 or the equivalent. 3 s.h.
ASSISTANT PROFESSOR HICKSON AND STAFF
- 2A. Trigonometry.—Prerequisite: Mathematics 1A or the equivalent.
4 s.h. PROFESSOR GERGEN AND STAFF
- 3-4 Mathematical Analysis for Students of Business.—6 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR HICKSON AND STAFF
7. Algebra and Trigonometry.—3 s.h. PROFESSOR ELLIOTT AND STAFF
8. Introduction to Analytic Geometry and Calculus.—3 s.h.
PROFESSOR ELLIOTT AND STAFF
- 9-10. First-Year Engineering Mathematics.—10 s.h.
ASSISTANT PROFESSOR PATTETSON AND STAFF
15. Spherical Geometry and Trigonometry.—Prerequisite: Mathematics
7 or the equivalent. 3 s.h. ASSISTANT PROFESSOR DRESSSEL AND STAFF
50. Analytic Geometry.—Prerequisite: Mathematics 7 or the equivalent.
3 s.h. ASSOCIATE PROFESSOR CARLITZ (first semester) AND
PROFESSOR GERGEN (second semester);
PROFESSOR ELLIOTT (second semester)
- 51-52. Differential and Integral Calculus.—Prerequisite: Mathematics 50
or permission from the instructor. 6 s.h.
PROFESSOR ELLIOTT (51 first semester, 52 second semester);
ASSOCIATE PROFESSOR CARLITZ (52 first semester, 51 second semester)
PROFESSOR ELLIOTT
- 59-60. Second-Year Engineering Mathematics.—Prerequisite: Mathemat-
ics 9-10 or the equivalent. 8 s.h.
ASSISTANT PROFESSOR PATTERSON AND STAFF
63. Graphical and Numerical Computation.—Prerequisite: Mathematics 7
or the equivalent. 3 s.h. PROFESSOR THOMAS
64. Mathematics of Artillery Fire.—Prerequisite: Mathematics 7 or the
equivalent. 3 s.h. PROFESSOR THOMAS
71. Mathematics of Investment.—Prerequisite: 6 semester hours of col-
lege mathematics. 3 s.h. ASSISTANT PROFESSOR HICKSON
[Not offered in 1943-44]
74. Statistics.—Prerequisite: 6 semester hours of college mathematics.
Offered in alternate years. 3 s.h. ASSISTANT PROFESSOR HICKSON
[Not offered in 1943-44]
76. Mathematical Theory of Economics.—Prerequisite: Mathematics 4
or the equivalent. 3 s.h. ASSISTANT PROFESSOR HICKSON
[Not offered in 1943-44]
131. Elementary Differential Equations.—Prerequisite: integral calculus.
3 s.h. ASSISTANT PROFESSOR HICKSON
- 139-140. Second Course in Calculus.—Prerequisite: integral calculus.
6 s.h. PROFESSOR GERGEN
158. Finite Differences.—3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

160. Elementary Solid Analytic Geometry.—Prerequisite: integral calculus. 3 s.h.
ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

161-162. Reading Course for Juniors.

163-164. Reading Course for Seniors.

FOR SENIORS AND GRADUATES

201. History of Mathematics.—Prerequisite: differential calculus. 3 s.h.
PROFESSOR RANKIN
204. Teaching of Mathematics.—3 s.h. PROFESSOR RANKIN
225. Theory of Equations.—Prerequisite: integral calculus. 3 s.h.
PROFESSOR THOMAS
- 227-228. Theory of Numbers.—Prerequisite: integral calculus. 6 s.h.
ASSOCIATE PROFESSOR CARLITZ
- 229-230. Algebraic Numbers.—Prerequisite: Mathematics 225. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ
- 235-236. Modern Algebra.—Prerequisite: integral calculus. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ
- 255-256. Projective Geometry.—Prerequisite: integral calculus. 6 s.h.
PROFESSOR THOMAS
- 271-272. Introductory Topology.—Prerequisite: integral calculus. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ROBERTS
275. Probability.—Prerequisite: integral calculus. 3 s.h. DR. BOAS
[Not offered in 1943-44]
281. Elementary Potential Theory.—Prerequisite: integral calculus. 3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ
282. Differential Equations of Mathematical Physics.—Prerequisite: integral calculus. 3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ
283. Fourier Series and Spherical Harmonics.—Prerequisite: integral calculus. 3 s.h.
ASSISTANT PROFESSOR DRESSEL
284. Vector Analysis.—Prerequisite: integral calculus. 3 s.h.
PROFESSOR THOMAS
287. Mathematical Logic.—3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]
288. Foundations of Mathematics.—3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]
- 291-292. Theory of Functions.—Prerequisite: second course in calculus. 6 s.h.
PROFESSOR GERGEN
[Not offered in 1943-44]

DEPARTMENTAL MAJOR

Prerequisite: Six semester hours of Freshman mathematics.

Major Requirements: Mathematics 51-52 or 59-60 and twelve semester hours in courses numbered above 100. These twelve hours must be approved by the Department through the Director of the Undergraduate Studies.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: A student who meets the general requirement as to candidacy of the Honors Group, who has completed Mathematics 51 or 59, and who has earned an average grade of "B" or better in his courses in mathematics, may become a candidate for Honors.

Honors Work:

(a) Work in Mathematical Courses: To graduate with Honors a candidate must complete, during his Honors program, a minimum of eighteen semester hours of course work in regular open courses numbered above 100. These courses must be completed with an average grade of "B" or better.

(b) Tutorial Work: During his Honors program a candidate reads on special topics in mathematics under the personal supervision of a tutor. A candidate must earn a minimum of six semester hours of credit in his tutorial work. He cannot earn more than nine semester hours in his tutorial work, nor more than thirty-six semester hours for his course work in mathematics and his tutorial work combined.

(c) Work in Courses in Related Fields: A candidate must earn a sufficient number of semester hours of credit in courses in related fields to complete with the credit obtained in (a) and (b) the sixty semester hours required in the Honors Group.

A candidate's program must be approved by the Departmental Honors Advisor.

General Honors Examination: At the end of his Senior year each candidate reading for Honors in Mathematics must pass a comprehensive examination on his Honors program. This examination may be written, oral, or both. Faculty members from other departments and other institutions may be invited to participate in this examination.

NAVAL SCIENCE AND TACTICS

PROFESSOR CLAY, CAPTAIN, U. S. NAVY, RETIRED; ASSISTANT PROFESSOR SEAGROVE, LIEUTENANT COMMANDER, U. S. NAVY; ASSISTANT PROFESSOR STUBBS, LIEUTENANT, U. S. NAVY, RETIRED

1. Seamanship.—3 s.h. (w)	STAFF
2. Naval History and Administration.—3 s.h. (w)	STAFF
51-52. Navigation and Nautical Astronomy.—6 s.h. (w)	STAFF
101. Ordnance and Engineering.—3 s.h. (w)	STAFF
102. Gunnery and Electricity.—3 s.h. (w)	STAFF
151. Communications and Military Law.—3 s.h. (w)	STAFF
152. Aviation and International Law.—3 s.h. (w)	STAFF

PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN; ASSOCIATE PROFESSOR MORGAN, DIRECTOR OF UNDERGRADUATE STUDIES; DR. MCLARTY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS GILBERT AND SMITH; AND ASSOCIATE PROFESSOR LEONARD

For courses marked * there is a prerequisite of three hours of philosophy; admission otherwise by permission of the instructor. Sophomores may in general take courses prescribed for Juniors by permission of the instructor.

48. Introduction to Logic and Scientific Method.—3 s.h.
ASSOCIATE PROFESSOR LEONARD

95. Introduction to Ethics.—3 s.h.
PROFESSOR GILBERT AND ASSOCIATE PROFESSOR MORGAN

96. The Development of American Philosophy.—3 s.h.
ASSOCIATE PROFESSOR MORGAN

101. Introduction to Philosophy.—3 s.h.
PROFESSOR WIDGERY (*first semester*)
DR. McLARTY (*second semester*)
PROFESSOR GILBERT

103. Logic.—3 s.h.
[In alternate years—offered in 1943-44] ASSOCIATE PROFESSOR LEONARD

104. Scientific Methodology.—3 s.h.
[In alternate years—offered in 1943-44] ASSOCIATE PROFESSOR LEONARD

105. Introduction to the History of Philosophy: Ancient and Medieval.—
3 s.h. DR. McLARTY

106. Introduction to the History of Philosophy: Modern.—3 s.h.
PROFESSOR WIDGERY AND DR. McLARTY

108. Philosophical Ideas in Ancient Greek and Roman Culture.—3 s.h.
DR. McLARTY

114. Seventeenth-Century Philosophy, with Special Reference to Spinoza.*
—3 s.h. PROFESSOR GILBERT

119. Fundamentals of Christian Morality: An Introduction to Christian
Ethics.—3 s.h. DR. McLARTY

121. The Philosophy of Plato.—3 s.h. DR. McLARTY

FOR SENIORS AND GRADUATES

201-202. The Philosophy of Art.—6 s.h.
[In alternate years—not offered in 1943-44] PROFESSOR GILBERT

203. The Philosophy of Conduct.—3 s.h. ASSOCIATE PROFESSOR MORGAN

205. The Philosophy of History.—3 s.h.
[In alternate years—not offered in 1943-44] PROFESSOR WIDGERY

208. Political Philosophy.—3 s.h.
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR MORGAN

209-210. The Philosophy of Religion.—6 s.h.
[In alternate years—offered in 1943-44] PROFESSOR WIDGERY

211. Philosophy of Civilization.—3 s.h. ASSOCIATE PROFESSOR MORGAN

213-214. History of Aesthetics.—6 s.h.
[In alternate years—offered in 1943-44] PROFESSOR GILBERT

215. Christian Ethics I.—3 s.h. PROFESSOR SMITH

216. Christian Ethics II.—3 s.h. PROFESSOR SMITH

217. The Philosophy of Aristotle.*—Prerequisite: course 105.
DR. McLARTY

224. Contemporary Philosophy.—3 s.h.
[Not offered in 1943-44] PROFESSOR WIDGERY
226. The History of Ethics.—3 s.h.*
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR MORGAN
- 231-232. Philosophy of Science.—6 s.h. ASSOCIATE PROFESSOR LEONARD
236. Oriental Philosophy I.—3 s.h.
[In alternate years—offered in 1943-44]
238. Oriental Philosophy II.—3 s.h.
[In alternate years—not offered in 1943-44] PROFESSOR WIDGERY
241. Logic.—3 s.h.
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR LEONARD
242. Scientific Methodology.—3 s.h.
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR LEONARD
244. Nietzsche and the Nineteenth Century.—3 s.h.
[In alternate years—not offered in 1943-44] ASSOCIATE PROFESSOR MORGAN
- 245-246. Philosophical Foundations of Religious Belief.—6 s.h.
[In alternate years—not offered in 1943-44]
248. Philosophy of Values.—3 s.h.
[In alternate years—offered in 1943-44]

RELATED COURSES IN OTHER DEPARTMENTS

Education 200. Introduction to the Philosophy of Education.

Greek 107-108. Plato.—Euripides.

Greek 209-210. Plato.

History 221-222. The Age of the Renaissance.

Mathematics 287. Mathematical Logic.

Mathematics 288. Foundations of Mathematics.

Physics 213-214. Contemporary Physics.

Political Science 223. Political Thought to the Seventeenth Century.

Political Science 224. Modern Political Theory.

Psychology 228. Psychology of Belief.

DEPARTMENTAL MAJOR

The student is required to take courses amounting to at least eighteen credit hours in the Department. Of these, six must be Philosophy 105-106, Introduction to the History of Philosophy; and six must be from courses in the 200 series. The student is advised to consult with an instructor in the Department as to the courses most suitable to fit in his general plan of study.

PHYSICS

PROFESSOR NIELSEN, CHAIRMAN; PROFESSOR HATLEY, DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR CARPENTER, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS EDWARDS, NORDHEIM, SPONER; ASSOCIATE PROFESSORS CONSTANT AND MOUZON; ASSISTANT PROFESSOR BONNER; DR. HEBB; MR. SCARBOROUGH; AND ASSISTANTS

The courses in physics are designed to meet the needs of three classes of students: (1) those desiring to specialize in physics with a view to work in teaching or investigation; (2) those intending to pursue the study of medicine, biology, or chemistry; (3) those looking forward to the study of engineering. The work of the first year is designed to lay a broad foundation for subsequent study.

An elementary knowledge of the calculus and credit for 12 semester hours in physics are required in all courses numbered 200 and above.

1-2. Introductory Physics.—8 s.h.

ASSISTANT PROFESSOR CARPENTER; PROFESSORS EDWARDS AND HATLEY; AND ASSISTANTS

17-18. Engineering Physics.—6 s.h.

ASSOCIATE PROFESSOR MOUZON; ASSISTANT PROFESSOR BONNER AND MR. SCARBOROUGH

51-52. General Physics.—Prerequisite: Mathematics 7-8 or equivalent. 8 s.h.

PROFESSOR HATLEY; ASSISTANT PROFESSORS CARPENTER AND BONNER

57-58. Engineering Physics.—6 s.h.

ASSOCIATE PROFESSOR MOUZON AND ASSISTANT PROFESSOR BONNER

59-60. Elementary Atomic Physics.—Prerequisite: a year course of college physics and the calculus completed or taken concurrently. 6 s.h.

PROFESSOR NIELSEN

61. Mechanics.—Prerequisite: a year course of college physics and the calculus completed or taken concurrently. 3 s.h.

PROFESSOR NORDHEIM

62. Heat.—Prerequisite: a year course in college physics and the calculus completed or taken concurrently. 3 s.h.

ASSISTANT PROFESSOR CARPENTER

65-66. Intermediate Physics.—Prerequisite: Physics 1-2 or its equivalent. 6 s.h.

PROFESSOR EDWARDS

70. Elementary Electronics.—Prerequisite: a year in college physics. 4 s.h.

MR. SCARBOROUGH

103. Electricity and Magnetism.—Prerequisite: a year course in college physics and the calculus. 4 s.h.

ASSOCIATE PROFESSOR CONSTANT

104. Electrical Measurements.—3 s.h.

PROFESSOR NIELSEN AND ASSOCIATE PROFESSOR CONSTANT

106. Photography.—Prerequisite: a year course in college physics. 3 s.h.

ASSISTANT PROFESSOR BONNER

108. Physical Optics.—Prerequisite: a year course in college physics and the calculus. 4 s.h.

PROFESSOR SPONER

211. History of Physics.—2 s.h.

PROFESSOR EDWARDS

213-214. Contemporary Physics.—6 s.h.

ASSOCIATE PROFESSOR CONSTANT

215-216. Atomic Physics Laboratory.—2-4 s.h.

PROFESSOR NIELSEN AND ASSOCIATE PROFESSOR MOUZON

[Not offered in 1943-44]

217-218. Advanced General Physics Laboratory.—2 s.h.

PROFESSOR NIELSEN AND ASSOCIATE PROFESSOR MOUZON
[Not offered in 1943-44]

219. Electron Tubes and Their Application.—4 s.h.

ASSOCIATE PROFESSOR MOUZON

221-222. Introduction to Theoretical Physics.—8 s.h.

ASSOCIATE PROFESSOR CONSTANT

225-226. Elementary Investigations.—3-6 s.h.

THE STAFF

DEPARTMENTAL MAJOR**A. For the degree of A.B.:**

Prerequisites: Physics 1-2 or equivalent, and Mathematics 1-2 or 7-8.

Major Requirements: 18 to 24 hours in courses approved by the Department. (Students who have a considerable number of hours in a closely allied field may, with the approval of the Department, count Physics 51-52 or Physics 57-58 as a major requirement.)

B. For the degree of B.S.:

Prerequisites: Physics 1-2, Chemistry 1-2 and Mathematics 7-8 or equivalent.

Major Requirements: Not less than 24 hours in courses approved by the Department, not less than 6 hours of which must be in the 200 group.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: Physics 1-2, 51-52, or 57-58 and 6 s.h. additional work in physics above the Freshman level; Mathematics 6 s.h. and Chemistry 1-2.

Honors Program: Physics 103, 108, 219, and 221-222; Mathematics 51-52 and 131; electives subject to the approval of the Departmental Honors Committee, 25 s.h. or enough to satisfy the requirements for graduation, of which at least 6 s.h. must be either a course in Geology or an advanced course in Chemistry, Botany, Zoology, or Mathematics.

In addition, the student will arrange with his Adviser for the performance of a limited number of elementary physical investigations. This will consist of both readings and experimental work and in general will constitute a survey of the classical and modern aspects of physics for which 10 s.h. credit will be allowed.

At the end of both Junior and Senior years, the student will be given both an oral and a written examination in the field of physics.

POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN; PROFESSOR RANKIN, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR VON BECKERATH; ASSOCIATE PROFESSORS COLE AND SHIPMAN; ASSISTANT PROFESSORS GIBSON, HALLOWELL, LINEBARGER, SIMPSON, AND WALTER; DR. HOWARD; MESSRS. DIAMOND AND HOSACK

21. Principles of Government.—3 s.h.

ASSISTANT PROFESSOR SIMPSON AND DR. HOWARD

22. International Politics.—3 s.h.

ASSISTANT PROFESSOR SIMPSON AND DR. HOWARD

61-62. American Government and Politics.—6 s.h.

PROFESSOR RANKIN; ASSISTANT PROFESSORS HALLOWELL,
SIMPSON AND WALTER; DR. HOWARD; MR. DIAMOND

Course 61-62 is ordinarily taken before any advanced course in political science. A student who has not had course 61-62 or equivalent work may take an advanced course in the Department with the approval of the instructor giving the advanced course.

111. Contemporary Problems in Far Eastern Politics.—3 s.h.

ASSISTANT PROFESSOR LINEBARGER AND MR. HOSACK
[Not offered in 1943-44]

113. Colonialism and Nationalism in Southeastern Asia.—3 s.h.

ASSISTANT PROFESSOR LINEBARGER AND MR. HOSACK
[Not offered in 1943-44]

125. American Political Parties and Practical Politics.—3 s.h.

ASSISTANT PROFESSOR SIMPSON

136. Major European Governments.—3 s.h.

ASSISTANT PROFESSOR HALLOWELL

141. Public Regulation.—3 s.h.

ASSISTANT PROFESSOR WALTER

142. Government Regulation in Wartime.—3 s.h.

ASSISTANT PROFESSOR WALTER

151-152. Spanish-American Political Institutions.—6 s.h.

[Not offered in 1943-44] ASSISTANT PROFESSOR GIBSON

172. Government and Agriculture.—3 s.h.

[Not offered in 1943-44] PROFESSOR VON BECKERATH AND DR. HOWARD

174. Politics and Economics.—3 s.h.

PROFESSOR VON BECKERATH

207. American Constitutional Law and Theory.—3 s.h. PROFESSOR WILSON

209. State and Local Government in the United States.—3 s.h.

PROFESSOR RANKIN

211. Political Institutions of the Far East.—3 s.h.

[Not offered in 1943-44] ASSISTANT PROFESSOR LINEBARGER

212. International Politics of the Far East.—3 s.h.

[Not offered in 1943-44] ASSISTANT PROFESSOR LINEBARGER

223. Political Thought to the Seventeenth Century.—3 s.h.

PROFESSOR WILSON

224. Modern Political Theory.—3 s.h.

PROFESSOR WILSON

225-226. Comparative Government.—6 s.h.

ASSISTANT PROFESSOR HALLOWELL

227-228. International Law.—6 s.h.

PROFESSOR WILSON

229. Recent and Contemporary Political Theory.—3 s.h.

ASSISTANT PROFESSOR HALLOWELL

230. American Political Institutions.—3 s.h.

PROFESSOR RANKIN

241-242. The Administrative Process.—6 s.h.

ASSISTANT PROFESSOR WALTER

244. Administrative Law.—3 s.h. ASSISTANT PROFESSOR WALTER
246. Legislation.—3 s.h. ASSISTANT PROFESSOR WALTER
[Not offered in 1943-44]
252. Spanish-American Constitutionalism.—3 s.h. ASSISTANT PROFESSOR GIBSON
[Not offered in 1943-44]
271. Sociopolitics and Capitalism.—3 s.h. PROFESSOR VON BECKERATH
291. Municipal Government.—3 s.h. PROFESSOR RANKIN
292. Municipal Administration.—3 s.h. PROFESSOR RANKIN

PSYCHOLOGY

PROFESSOR LUNDHOLM, CHAIRMAN; ASSISTANT PROFESSOR KEMP, DIRECTOR OF
UNDERGRADUATE STUDIES; PROFESSOR RHINE; ASSOCIATE PROFESSORS
ADAMS AND ZENER; DR. KOCH

91. Introduction to Psychology.—3 s.h.
DR. KOCH; PROFESSOR LUNDHOLM; ASSOCIATE
PROFESSORS ADAMS AND ZENER
96. Applied Psychology.—3 s.h. ASSOCIATE PROFESSOR ZENER
103. Conation and Our Conscious Life.—3 s.h. PROFESSOR LUNDHOLM
104. Comparative Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
[Not offered in 1943-44]
106. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM
110. Applied Social Psychology.—3 s.h. DR. KOCH
111. Advanced General Psychology: Learning, Memory, Perception,
Thinking.—3 s.h. ASSOCIATE PROFESSOR ZENER
[Not offered in 1943-44]
112. Advanced General Psychology: Action, Motivation, Emotion.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ZENER
115. Psychology of Personality.—3 s.h. PROFESSOR RHINE
116. Psychology of Adjustment.—3 s.h. PROFESSOR RHINE
122. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM
128. Psychology of Belief.—3 s.h. PROFESSOR LUNDHOLM
[Not offered in 1943-44]
204. Motivation and Learning.—3 s.h. ASSOCIATE PROFESSOR ZENER
[Not offered in 1943-44]
206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
207. Psychology of Memory, Thinking, Perceiving.—3 s.h.
ASSOCIATE PROFESSOR ZENER
- *209. Experimental Methods in Human Psychology.—4 s.h.
[Offered in spring, 1943] ASSOCIATE PROFESSOR ZENER
212. Physiological Psychology.—3 s.h. ASSISTANT PROFESSOR KEMP
[Not offered in 1943-44]

• Limited registration. Admission only after consultation with instructor.

215. Developmental Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
- *223. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM
226. Contemporary Schools of Psychology.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ZENER
- 231-232. Introduction to Research.—2 or 3 s.h.
PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE
PROFESSORS ADAMS AND ZENER; DR. KOCH

DEPARTMENTAL MAJOR

Prerequisites: Psychology 91 and Zoology 1 and 2 or equivalent courses in biology.

Major Requirements: Eighteen semester hours in psychology in addition to Psychology 91, at least six semester hours of which must be taken in Senior-Graduate courses.

DEPARTMENTAL HONORS PROGRAM

Departmental Honors in psychology are governed by the general rules covering all Honors programs.

Prerequisite: The minimum requirement for admission to Honors in psychology is the completion of Psychology 91 with a grade of "B" or higher. Completion of Zoology 1-2 is strongly recommended.

Departmental Honors Program:

(a) Honors Readings.—Tutorial work with a member of the Department designated by the Honors Committee. This work shall be counted as the equivalent of three semester hours in the Junior and six semester hours in the Senior year.

(b) Courses in Psychology.—At least six courses in the Department in addition to the prerequisite (of which at least three must be of Senior-Graduate level).

(c) Courses in Related Fields.—To complete the total of sixty semester hours. All courses are to be chosen by consultation with the Departmental Honors Adviser.

(d) At the end of the Senior year.—A final written and oral examination on the fields of psychology chosen, and an experimental or critical paper on a selected problem.

RELIGION

PROFESSOR MYERS, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR PETRY, SUPERVISOR OF FRESHMAN INSTRUCTION; PROFESSORS CANNON, ORMOND, ROWE, AND SPENCE; ASSOCIATE PROFESSOR STINE-SPRING; ASSISTANT PROFESSORS CLARK, CRUM, AND OUTLER; MRS. SPENCE

1. The English Bible.—3 s.h.

ASSISTANT PROFESSOR PETRY; PROFESSOR ORMOND; ASSISTANT PROFESSORS CRUM AND OUTLER; MRS. SPENCE

2. The English Bible.—3 s.h.

ASSISTANT PROFESSOR PETRY; PROFESSOR ORMOND; ASSISTANT PROFESSORS CRUM AND OUTLER; MRS. SPENCE

51. The History of the Hebrew People.—3 s.h.

PROFESSOR MYERS; ASSISTANT PROFESSOR CRUM; AND MRS. SPENCE

* Limited registration. Admission only after consultation with instructor.

52. New Testament Life and Literature.—3 s.h.
PROFESSOR MYERS; ASSISTANT PROFESSOR CRUM; AND MRS. SPENCE
101. The Social Teachings of the Prophets and Jesus.—3 s.h.
PROFESSOR ORMOND
102. The Christian Church in the Social Order.—3 s.h. PROFESSOR ORMOND
103. The Prophets of the Old Testament.—3 s.h. PROFESSOR MYERS
104. The History and Religion of the Jews to the Roman Period.—3 s.h.
[Not offered in 1943-44] PROFESSOR MYERS
105. Religion in the Old Testament.—3 s.h. PROFESSOR ROWE
106. Religion in the New Testament.—3 s.h. PROFESSOR ROWE
114. The Life and Teachings of Jesus.—3 s.h. PROFESSOR MYERS
151. Personality and Human Values.—3 s.h. PROFESSOR HART
163. Religious Education of Children.—3 s.h. MRS. SPENCE
167. Contemporary Religious Problems.—3 s.h. PROFESSOR SPENCE
168. Masterpieces of Great Religious Literature.—3 s.h.
(Old number SR.270.) PROFESSOR SPENCE
169. Character Problems.—3 s.h. ASSISTANT PROFESSOR CRUM
170. Religion and the Family.—3 s.h. ASSISTANT PROFESSOR CRUM
181. The Nature and Early Development of Religion.—3 s.h.
PROFESSOR CANNON
182. Living Religions of the World.—3 s.h. PROFESSOR CANNON
191. Fundamentals of Christian Morality: An Introduction to Christian Ethics.—3 s.h.
DR. McLARTY
193. A Study of Materials Suitable for Public School Courses in Religion and Ethics.—Prerequisites: courses 1-2 or 51-52 or their equivalent. 3 s.h.
ASSISTANT PROFESSOR CRUM
- 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
- 211-212. Hellenistic Greek.—6 s.h. ASSISTANT PROFESSOR CLARK
265. Religious Drama.—3 s.h. PROFESSOR SPENCE
268. Religious Drama Construction and Production.—3 s.h.
PROFESSOR SPENCE

DEPARTMENTAL MAJOR

Prerequisite: Religion 1-2, or 51-52.

Major Requirements: A major in the Department of Religion consists of eighteen semester hours of work, exclusive of courses primarily for Freshmen, which shall be selected with the approval of the instructor under whose supervision the student does his major work.

DEPARTMENTAL HONORS PROGRAM*General Rules:*

I. The Departmental Honors Program constitutes the work of the Honors student during the Junior and Senior years. This program shall be the equivalent of sixty semester hours of work.

II. The minimum amount of work that may be taken in the Department of Religion shall be the equivalent of twenty-four semester hours, and the maximum shall be the equivalent of thirty-six semester hours. Of this, the work done in the Honors tutorials shall count fifteen hours, six hours for the Junior year, six hours for the Senior year, and three hours for the comprehensive examination at the end of the Senior year.

III. The related work, which shall constitute at least two fifths of the Honors program, that is, the equivalent of twenty-four semester hours, must be distributed among not less than two departments, unless the departmental committee gives special permission for the student to take his related work in one department.

Prerequisite:

The minimum requirement for admission to Honors in Religion is the completion of a course in Religion during the Sophomore year on which the student makes at least a grade of "B."

Normal Program:

The normal program for the Honors student in the Junior year shall consist of the Honors tutorial, two courses in the Department of Religion, and two courses in related departments; in the Senior year the work shall consist of the Honors tutorial, one and one-half courses in Religion, and two in related departments.

General Honors Examinations:

Two comprehensive written examinations and a supplementary oral examination will be held at the end of the Senior year to test the student's knowledge of the special field in which he has done his Honors work.

ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR DAVIS, SUPERVISOR OF FRESHMAN INSTRUCTION IN FRENCH AND SPANISH; PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON; ASSISTANT PROFESSORS BRIDGERS, HASBROUCK, QUINN, RAYMOND, REID, AND YOUNG; DR. DOW, MME. DOW, MISS CARTER, MR. PRATT, MISS BUSSELL; AND ASSISTANTS

FRENCH

1-2. **Elementary French.**—6 s.h.

PROFESSOR WEBB AND DR. DOW

3-4. **French Prose.**—Prerequisites: French 1 and 2, or two years of high-school French. 6 s.h.

PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSOR WALTON;
ASSISTANT PROFESSORS DAVIS AND RAYMOND;
DR. DOW AND MME. DOW

51-52. **Introduction to French Literature.**—Prerequisite: French 3 and 4 or equivalent. 6 s.h.

PROFESSORS COWPER AND JORDAN; ASSOCIATE PROFESSOR WALTON;
ASSISTANT PROFESSORS BRIDGERS, RAYMOND
AND YOUNG; DR. DOW

57-58. Introduction to French Literature.—Prerequisites: French 3 and 4 or equivalent. 6 s.h. PROFESSOR WEBB

55. Exercises in Spoken French.—1 s.h. MME. LINIÈRE DOW

56. Exercises in Spoken French.—1 s.h. MME. LINIÈRE DOW

107. French Composition.—3 s.h.
PROFESSOR COWPER AND ASSISTANT PROFESSOR RAYMOND

108. The French Romantic Movement.—3 s.h.
PROFESSOR COWPER AND ASSISTANT PROFESSOR RAYMOND

110. Poems of Victor Hugo.—3 s.h. DR. DOW

111. French Drama since 1850.—3 s.h. ASSISTANT PROFESSOR YOUNG

112. French Drama since 1850.—3 s.h. ASSISTANT PROFESSOR YOUNG

115. Masterpieces of Balzac.—3 s.h. ASSISTANT PROFESSOR BRIDGERS

127. Advanced French Composition.—Prerequisite: French 107 or equivalent. 3 s.h. MME. LINIÈRE DOW

128. Advanced French Composition.—Prerequisite: French 107 or equivalent. 3 s.h. MME. LINIÈRE DOW

213. French Classicism.—3 s.h. ASSOCIATE PROFESSOR WALTON

214. French Classicism.—3 s.h. ASSOCIATE PROFESSOR WALTON

215-216. The Modern French Novel.—6 s.h. PROFESSOR JORDAN

217. French Phonetics.—Prerequisite: 3 s.h. from courses 107 or 127-128. 3 s.h. PROFESSOR WEBB

218. Materials and Methods.—Prerequisites: for French, 107; for Spanish, 65-66. 3 s.h. PROFESSOR WEBB

219. Old French.—3 s.h. PROFESSOR COWPER

220. Old French.—3 s.h. PROFESSOR COWPER

227. French Poetry since Théophile Gautier.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR WALTON

232. Rousseau and the Beginnings of Romanticism.—3 s.h.
[Not offered in 1943-44] PROFESSOR COWPER

233. Main Currents of Modern French Literature.—3 s.h.
[Not offered in 1943-44] PROFESSOR WEBB

ITALIAN

181-182. Italian.—6 s.h. PROFESSOR WEBB

ROMANCE LITERATURE IN TRANSLATION

191. Romance Literature of the Renaissance in Translation.—3 s.h.
ASSISTANT PROFESSOR BRIDGERS

192. Romance Literature of the Renaissance in Translation.—3 s.h.
ASSISTANT PROFESSOR BRIDGERS

SPANISH

1-2. Elementary Spanish.—6 s.h.

ASSISTANT PROFESSORS DAVIS, RAYMOND, AND YOUNG; DR. DOW,
MR. PRATT, MISS CARTER, AND MISS BUSSELL

3-4. Intermediate Spanish.—Prerequisites: Spanish 1-2 or two years of high-school Spanish. 6 s.h.

ASSISTANT PROFESSORS BRIDGERS AND QUINN; MR. PRATT,
MISS CARTER, AND MISS BUSSELL

65. Introduction to Modern Spanish Literature.—Prerequisites: Spanish 3-4 or equivalent. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT PROFESSORS
BRIDGERS, DAVIS, AND QUINN

66. Introduction to Spanish Literature of the Golden Age.—Prerequisites: Spanish 65 or equivalent. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG; ASSISTANT
PROFESSORS BRIDGERS AND DAVIS

71. Elementary Conversation.—Prerequisites: completion of Spanish 4 or equivalent and approval of instructor. 1 s.h.

MISS CARTER

72. Elementary Conversation.—1 s.h.

MISS CARTER

155. Survey of Spanish-American Literature.—Prerequisites: Spanish 65-66 or special permission. 3 s.h.

ASSISTANT PROFESSOR QUINN

[Not offered in 1943-44]

156. Survey of Spanish-American Literature.—Prerequisites: Spanish 65-66 or special permission. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

157. The Modern Spanish Theater.—Prerequisites: Spanish 65-66 or special permission. 3 s.h.

ASSISTANT PROFESSOR DAVIS

158. The Modern Spanish Theater.—Prerequisites: Spanish 65-66 or special permission. 3 s.h.

ASSISTANT PROFESSOR HASBROUCK

[Not offered in 1943-44]

171. Intermediate Conversation.—Prerequisites: Spanish 71-72 or equivalent. 1 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

172. Intermediate Conversation.—1 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

253. Spanish Phonetics.—Prerequisites: Spanish 65-66. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

255-256. Studies in Spanish-American Literature.—6 s.h.

[Not offered in 1943-44]

ASSISTANT PROFESSOR REID

257. The Modern Spanish Critical Essay.—3 s.h.

[Not offered in 1943-44]

ASSISTANT PROFESSOR HASBROUCK

258. Landmarks of Medieval and Renaissance Literature.—3 s.h.

ASSISTANT PROFESSOR DAVIS

260. Advanced Syntax and Composition.—Prerequisites: Spanish 65-66. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

261-262. Modern Spanish Novel.—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 6 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR LUNDEBERG

265. *Golden Age Literature: Cervantes.*—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

266. *Golden Age Literature: The Don Juan Theme.*—Prerequisites: 6 s.h. from courses 155 to 158 inclusive, or 65-66 with permission. 3 s.h.

ASSOCIATE PROFESSOR LUNDEBERG

[Not offered in 1943-44]

DEPARTMENTAL MAJOR

Prerequisites: French 1-2, 3-4, or equivalent, for French. Spanish 1-2, 3-4, or equivalent, for Spanish.

Major Requirements: In French, twenty-four semester hours of work must be completed in courses above the Freshman level, and must include: (a) six semester hours from the group 107, 127-128, 217; (b) six semester hours of literature in courses numbered 213 to 233.

In Spanish, twenty-four semester hours must be completed as follows: twelve semester hours in the courses 65-66, 155-156, 157-158; twelve semester hours from the group 253-266.

Students desiring the recommendation of the Department for the teaching of French or Spanish will take in addition course 218.

DEPARTMENTAL HONORS PROGRAM

Prerequisites: Completion of 51-52 or 57-58 by the end of the Sophomore year in a manner satisfactory to the Departmental Committee.

Honors work in French includes:

(a) Training in the use of written and oral French; composition, résumé, and literary commentary in French. 3 s.h. each semester of Junior and Senior years, total 12 s.h.

(b) Readings in French literature.

(1) Survey of chief authors. 3 s.h. each semester or 12 s.h.

(2) Genre studies beginning with the modern novel. 3 s.h. each semester or 12 s.h.

(c) Comprehensive examination.

(d) Related work: 24 s.h.

SOCIOLOGY AND ANTHROPOLOGY

PROFESSOR ELLWOOD, CHAIRMAN; PROFESSOR JENSEN, DIRECTOR OF UNDERGRADUATE STUDIES; PROFESSOR HART; ASSOCIATE PROFESSORS GILLIN AND THOMPSON

91-92. *General Sociology.*—6 s.h. PROFESSOR JENSEN

101. *General Sociology.*—5 s.h. PROFESSOR ELLWOOD

102. *General Sociology.*—5 s.h. PROFESSOR ELLWOOD

109. *Sociology of the South.*—Prerequisite: course 91-92, 101, or 131-132. 3 s.h. ASSOCIATE PROFESSOR THOMPSON

111. *Introduction to Child Welfare.*—Prerequisite: course 91-92, 101, or 131-132. 3 s.h. PROFESSOR JENSEN

114. *Race Relations.*—Prerequisite: course 91-92, 101, or 131-132. 3 s.h. ASSOCIATE PROFESSOR THOMPSON

122. *Personality and Culture.*—Prerequisite: Sociology 91-92, 101, or 131-132. 3 s.h. PROFESSOR HART

131. General Anthropology.—3 s.h. PROFESSOR ELLWOOD
132. Cultural Anthropology.—Prerequisite: course 91-92, 101, or 131.
3 s.h. PROFESSOR ELLWOOD
205. Social Pathology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
PROFESSOR JENSEN
206. Criminology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
PROFESSOR JENSEN
212. Child Welfare.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
[Offered in Summer Session, 1943] PROFESSOR JENSEN
213. Constructive Social Policies.—Prerequisite: course 91-92, 101, or
131-132. 2 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]
215. Rural Sociology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON
216. Urban Sociology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON
217. Race and Culture.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON
225. Statistical Methods in Sociology.—Prerequisite: course 91-92, 101,
or 131-132. 3 s.h. PROFESSOR HART
227. Emigration and Immigration.—Prerequisite: course 91-92, 101, or
131-132. 3 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]
236. Social Ethics.—3 s.h. PROFESSOR HART
237. Indians of North America.—Prerequisite: course 131. 3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN
238. Anthropological Backgrounds of Latin America.—Prerequisite:
course 131. 3 s.h. ASSOCIATE PROFESSOR GILLIN
[Not offered in 1943-44]
239. Acculturation and Cultural Synthesis.—Prerequisite: course 131.
3 s.h. ASSOCIATE PROFESSOR GILLIN
[Not offered in 1943-44]
240. The Peoples of Africa.—Prerequisite: course 131. 3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN
242. Marriage and the Family.—3 s.h. PROFESSOR HART
251. Special Problems in Social Pathology.—Prerequisite: course 205 or
its equivalent. *Both semesters.* 1 to 3 s.h. PROFESSOR JENSEN
252. Education and Social Control.—Prerequisite: course 91-92, 101, or
131-132. 2 s.h. PROFESSOR ELLWOOD
[Not offered in 1943-44]
281. Public Opinion.—3 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]
299. Marriage and Family Counseling.—Prerequisite: course 91-92, 101,
or 131-132. 2 s.h. PROFESSOR HART

DEPARTMENTAL MAJOR

Students desiring to take a major in sociology are required to complete course 91-92 or 101 or 102 or 131-132 and twelve additional hours in the Department, at least six of which must be from courses numbered 200 or over.

ZOOLOGY

PROFESSOR GRAY, CHAIRMAN AND DIRECTOR OF UNDERGRADUATE STUDIES; ASSISTANT PROFESSOR BOOKHOUT, SUPERVISOR OF FRESHMAN INSTRUCTION; ASSISTANT PROFESSOR JEFFERS, SUPERVISOR OF FRESHMAN INSTRUCTION (WOMAN'S COLLEGE); PROFESSORS CUNNINGHAM, HARGITT, PEARSE, ROGERS; ASSISTANT PROFESSOR JOHNSON; DRs. EVANS, WHARTON; AND ASSISTANTS

1. General Zoology.—4 s.h.

ASSISTANT PROFESSORS BOOKHOUT, JEFFERS, JOHNSON;
DR. WHARTON; AND ASSISTANTS

2. Animal Biology.—Prerequisite: Zoology 1. 4 s.h.

PROFESSOR GRAY; ASSISTANT PROFESSORS JEFFERS, JOHNSON;
DRs. EVANS, WHARTON; AND ASSISTANTS

53. Comparative Vertebrate Anatomy.—Prerequisites: Zoology 1 and 2.
4 s.h.

PROFESSOR GRAY; DRs. EVANS AND WHARTON

92. General Embryology.—Prerequisite: Zoology 53. 4 s.h.

PROFESSOR CUNNINGHAM AND ASSISTANT PROFESSOR JEFFERS

109. Evolution.—Prerequisite: Two years of Zoology. 2 s.h.

ASSISTANT PROFESSOR JOHNSON

110. Introduction to Genetics.—Prerequisite: One year of Zoology. 2 s.h.

ASSISTANT PROFESSOR JOHNSON

151. Comparative Physiology.—Prerequisite: Zoology 53. 4 s.h.

PROFESSOR ROGERS

156. Vertebrate Histology.—Prerequisite: Zoology 53. 4 s.h.

PROFESSOR HARGITT

161. Animal Parasites.—Prerequisite: One year of Zoology. 4 s.h.

PROFESSOR PEARSE

FOR SENIORS AND GRADUATES

204. Advanced Parasitology.—Prerequisite: Zoology 161. 4 s.h.

[Not offered in 1943-44] PROFESSOR PEARSE

219-220. Special Problems.—Not more than 4 s.h.

STAFF

222. Entomology.—Prerequisite: One year of Zoology. 4 s.h.

PROFESSOR GRAY

224. Vertebrate Zoology.—Prerequisite: Zoology 53. 4 s.h.

PROFESSOR GRAY

229. Endocrinology.—Prerequisites: Zoology 53 and 92. 4 s.h.

PROFESSOR CUNNINGHAM

256. Seminar: Current Developments in Physiological Zoology.—Prerequisite: Zoology 151. 2 s.h.

PROFESSOR ROGERS

274. Invertebrate Zoology.—Prerequisites: Zoology 1 and 2. 4 s.h.
ASSISTANT PROFESSOR BOOKHOUT

276. Protozoology.—Prerequisites: Zoology 1 and 2. 4 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR BOOKHOUT

**RELATED COURSES, ONE OF WHICH MAY BE COUNTED TOWARD
A MAJOR IN ZOOLOGY**

Botany 101. Principles of Heredity.—3 or 4 s.h.
ASSISTANT PROFESSOR PERRY

Botany 103. General Bacteriology.—4 s.h. PROFESSOR WOLF

Botany 202. Genetics.—4 s.h. ASSISTANT PROFESSOR PERRY

DEPARTMENTAL MAJOR

Prerequisites: Zoology 1 and 2.

Major Requirements: Twenty-four semester hours including courses 53, 92, 151. The remaining twelve hours may be from any other courses for which the student is eligible.

DEPARTMENTAL HONORS PROGRAM

For admission to candidacy for Honors in zoology a student is expected to have completed zoology courses 1, 2, 53, 92 and not less than eight semester hours of chemistry.

Honors work consists of regular courses and independent study; the program, however, will not be the same for all students. Zoology 151 is required of all zoology majors; the number and nature of other courses to be taken in zoology and in related subjects will depend upon the needs and interests of the student. The usual number of semester courses will be four to six in zoology and six in other subjects in the Natural Science Group.

In addition to regular courses each student shall read in such fields as history of biology and zoological theories, or in special fields, and shall undertake a special research problem under the direction of some member of the Staff whom the student may select. The student may be asked to prepare written reports on his readings and must present a written report on his research problem. Readings and problem count for nine to twelve semester hours.

At the end of the Junior year an examination will be given to test the student's ability to correlate material and to determine his fitness to continue in the Honors Group. At the end of the Senior year a general comprehensive examination covering the entire field of study must be passed.

THE COLLEGE OF ENGINEERING

ADMISSION

Admission to the College of Engineering of Duke University is on a selective basis, dependent upon the ability, attainments, and character of the applicant. No student is admitted until the Council on Admissions has received for him a scholastic record from school or college, a certificate of vaccination and of good health, and satisfactory evidence of good character and ability. Prospective students and relatives are invited to visit the University and the College of Engineering in particular. This would be advantageous to the applicant since it would enable him to acquaint himself with the facilities of the University, and to discuss possible courses of study.

Certain days are announced in the University Calendar each year for the registration, classification, and sectioning of students. Those students who are admitted later than the dates announced must pay to the Treasurer \$5.00 additional for the privilege of matriculation.

An applicant for admission to the Freshman Class in engineering must have completed at least fifteen units of preparatory work, partly in required and partly in elective subjects. A unit represents a year of work in a subject in an accredited secondary school, provided the work done in that subject is approximately one fourth of the annual amount of work regularly required in the school.

The subjects in which this credit may be offered and the maximum amount of credit acceptable in each subject are given in the following table:

UNITS		UNITS	
English	4	Botany	1
Latin	4	Zoology	1
Greek	3	General Biology	1
German	3	Physical Geography	1
French	3	General Science	1
Spanish	3	Agriculture	2
Mathematics	4	Mechanical Drawing	2
History and Civics	4	Woodwork, Forging, and	
Physics	1	Machine Work	2
Chemistry	1	Household Economics	2
		Commercial Subjects	3

For a detailed explanation of the units in the table above, see the definitions as set forth by the Southern Association of Colleges and Secondary Schools and other regional associations.

ADMISSION BY CERTIFICATE

Applicants able to submit certificates of proficiency from accredited schools in subjects accepted for admission to the Freshman Class will be admitted without examination. These certificates must be properly made

out on the regular blanks furnished by the University, signed by the principal of the school from which the applicant comes, and presented before or at the opening of the academic year. The applicant must have completed the course of the school from which he comes.

At least nine and one half of the fifteen units required for admission must come from the following:

Required Units

English	3 units
A Foreign Language	2 units
*Science	1 unit
History	1 unit
**Algebra	1½ or 2 units
Plane Geometry	1 unit

Elective Units

In addition to the above required units, sufficient elective units must be offered to make a total of fifteen. It is recommended that these electives be chosen from the following list:

Algebra	½ unit
Solid Geometry	½ unit
Trigonometry	½ unit
†German or French or Latin or Spanish or Greek	1 to 4 units
History or Civics (not the required unit)	1 to 3 units
Physics or Chemistry or Biology (not the required unit)	1 to 3 units

ADMISSION BY EXAMINATION

Students who present fifteen units for admission from schools not accredited by the University, and students who present the proper units but whose grades are not acceptable, are required to validate their units by entrance examinations in English and in mathematics and such other tests as the University may prescribe, including the test required by the North Carolina College Conference.

Students who have not the required units in English or in mathematics but who are otherwise acceptable must, before admission, clear this deficiency by entrance examinations.

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing from other approved institutions under the following conditions: all applicants must have fulfilled the equivalent of the requirements for admission to the Freshman Class, must present official certificates of all work done in other institu-

* Wherever possible, physics or chemistry should be offered for this requirement.

** Examination required to validate offering.

† One elective unit in any of the above languages will be accepted for admission provided the language requirement has been satisfied without it. As many as four units will be accepted in any one of these languages.

tions, and have honorable dismissal from the institutions they previously attended.

Applicants for advanced standing should present, so far as possible, subjects corresponding to those required at Duke University. Students admitted to advanced standing may not during their first semester elect more than the minimum number of hours required of the class which they enter except by permission of the Dean. Further, in addition to other requirements, a minimum of one full year in residence at Duke University with the satisfactory completion of at least thirty semester hours of work approved for Seniors, with an average grade of "C," is required of all candidates for the Bachelor's degree.

Students who have transferred from other colleges must, in order to make their provisional classification final, pass during their first year of residence not less than the equivalent of four year-courses with an average grade of "C" or higher.

The date for the registration and classification of students with advanced standing from other institutions is announced in the University Calendar. Students who are admitted later than this date are required to pay to the Treasurer \$5.00 additional for the privilege of matriculating.

FRESHMAN WEEK

The week immediately preceding the opening of College is set aside for the induction of Freshmen. During this period health examinations, psychological tests, and placement tests are given in English and mathematics. Sectioning in these two subjects is based on the grades made on the placement tests. The Freshmen are divided into groups for instruction in the use of the Library, in the regulations of the student body, and in all matters pertaining to the adjustment of the individual to a new environment. Attendance upon these exercises is required of all Freshmen.

SPECIAL STUDENTS

Students of mature age not fully prepared to enter the Freshman Class may be admitted as special students and allowed to enroll for such work as they are prepared to carry. Further, they are required to take fifteen hours of classwork a week.

FEES AND EXPENSES

Information as to fees and expenses and room accommodations applicable to the College of Engineering is given, along with similar information for Trinity College and the Woman's College, elsewhere in the catalogue, under Fees and Expenses.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GENERAL STATEMENT

The studies for the degree of Bachelor of Science in Civil, Electrical, or Mechanical Engineering are designed for students who are preparing for civil, electrical, and mechanical or aeronautical engineering as a profession and lead to the following degrees: B.S. in C.E., B.S. in E.E., and B.S. in M.E. All curricula of the College of Engineering are fully accredited by the Engineers' Council for Professional Development, recognized accrediting agency in the field of engineering education.

Each of these degrees requires one hundred and thirty-eight semester hours of work of which one hundred and twenty must be completed with an average grade of "C." Six semester hours of electives must be taken in the Department of Economics or of Political Science. If a foreign language is elected, it must be taken two years unless a student has sufficient entrance credits to enable him to pursue a more advanced course.

Prospective students should note that immediately after the final examinations in May or June a three-weeks course in surveying is given under the direction of the Summer Session. This course is required of all civil engineering students at the end of their Freshman year and is required of all other engineering students before graduation.

GROUPS OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL, ELECTRICAL, OR MECHANICAL ENGINEERING

GROUP I

CIVIL ENGINEERING

Freshman Year

FIRST SEMESTER

S.H.

Mathematics 9	5
Chemistry 1	4
English 1	3
Physics 17	3
Drawing G.E. 1	2
Physical Education	

17

SECOND SEMESTER

S.H.

Mathematics 10	5
Chemistry 2	4
English 2	3
Physics 18	3
Drawing G.E. 2	2
Physical Education	

17

Three weeks of Surveying S60 in summer. Credit 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Economics 51	3	Economics 52	3
Statics G.E. 57	3	Kinetics G.E. 58	3
Surveying 61	2	Steam Engineering M.E. 55	2
Route Surveying 63	2	Route Surveying 64	2
Physical Education		Physical Education	
	17		17

Junior Year

Strength of Materials 107	3	Hydraulics 128	3
Structures 131	4	Structures 132	4
Highways 115	3	Materials 118	3
Electrical Engineering 153	3	Electrical Engineering 154	3
Elective	3	Elective	3
	16		16

Senior Year

Sanitary Engineering 123	4	Sanitary Engineering 124	3
Concrete 133	3	Concrete 134	3
Railroads 119	3	Astronomy-Navigation 112	3
Heat Power M.E. 103	3	Heat Power M.E. 104	3
Mechanical Engineering Lab. 115 ..	1	Mech. Engg. Lab. 116	1
Elective	3	Civil Engineering Project 143	3
	17	Elective	2
			18

GROUP II**ELECTRICAL ENGINEERING***Freshman Year*

FIRST SEMESTER		SECOND SEMESTER	
	S.H.		S.H.
Mathematics 9	5	Mathematics 10	5
Chemistry 1	4	Chemistry 2	4
English 1	3	English 2	3
Physics 17	3	Physics 18	3
Drawing 1	2	Drawing 2	2
Physical Education		Physical Education	
	17		17

Three weeks of Surveying S60 in summer. Credit 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics 57	3	Kinetics-Mechanism 52	4
Electrical Engineering 51	3	Electrical Engineering 52	3
Economics 51	3	Economics 52	3
Steam Engineering 55	2	Physical Education	
Physical Education			
	18		17

Junior Year

Theory of D. C. Circuits 151.....	4	Theory of A. C. Circuits 152	3
Hydraulics 128	3	Strength of Materials 107-109.....	4
Electrical Circuits Lab. 161.....	1	Electrical Circuits Lab. 162	1
Heat Power Engineering 103	3	Heat Power Engineering 104	3
Differential Equations 131	3	Electrical Measurements 104.....	3
Mechanical Engineering		Mechanical Engineering	
Laboratory 115	1	Laboratory 116	1
	15		15

Senior Year

A. C. Machinery 257	3	A. C. Machinery 258	3
Electric Power Trans. 159	3	Electric Power Stations 158	2
Communication 261	3	Communication 262	4
D. C. Machinery 155	2	Seminar 166	1
Electrical Machinery		Electrical Machinery	
Laboratory 163	1	Laboratory 164	1
Seminar 165	1	Electives	6
Electives	6		17
	19		

In conformance with the wishes of the United States armed services, during wartime the curriculum in electrical engineering will emphasize particularly those aspects of theory and practice which are encountered principally in the field of electrical communications. During 1942-1943 the Senior curriculum has been modified to include intensive special classroom and laboratory training in radio, with particular reference to ultra-high frequency techniques.

GROUP III

MECHANICAL ENGINEERING

Freshman Year

FIRST SEMESTER

S.H.

Mathematics 9	5
Chemistry 1	4
English 1	3
Physics 17	3
Drawing 1	2
Physical Education	

17

SECOND SEMESTER

S.H.

Mathematics 10	5
Chemistry 2	4
English 2	3
Physics 18	3
Drawing 2	2
Physical Education	

17

Three weeks of Surveying S60 in summer. Credit 3 semester hours.

Sophomore Year

Mathematics 59	4	Mathematics 60	4
Physics 57	3	Physics 58	3
Statics, G.E. 57	3	Kinetics-Mechanism 54.....	5
Const. Processes 51	3	Steam Engineering 55	2
Economics 51	3	Economics 52	3
Physical Education		Physical Education	
	16		17

Junior Year

Fluid Mechanics 105	3	Machine Design 150	3
Str. of Materials 107-109	4	Aeronautics 108	3
Electrical Engg. 153	3	Electrical Engg. 154	3
Thermodynamics 101	3	Thermodynamics 102	3
M.E. Lab. 113	1	M.E. Lab. 114	2
Elective	3	Elective	3
	17		17

*Senior Year**Mechanical Option*

Machine Design 151	3	Industrial Engg. 158	3
Int. Comb. Eng. 155	3	Power Plants 162	3
Heating and Air Cond. 153	3	Refrigeration 154	3
M.E. Lab. 159	2	M.E. Lab. 160	2
Seminar 199	1	Seminar 200	1
Electives	5	Electives	5
	17		17

*Senior Year**Aeronautics Option*

Machine Design 151	3	Industrial Engg. 158	3
Int. Comb. Eng. 155	3	Airplane Design 172	3
Airplane Design 171	3	Airplane Engines 156	3
Aerodynamics 173	2	Aerodynamics 174	2
M.E. Lab. 159	2	Aeronautics Lab. 176	2
Seminar 199	1	Seminar 200	1
Elective	3	Elective	3
	17		17

COURSES OF INSTRUCTION, COLLEGE OF ENGINEERING

This is a condensed description of courses. For a full description, see the Bulletin of the College of Engineering.

PROFESSOR HALL, DEAN; PROFESSOR BIRD, CHAIRMAN CIVIL ENGINEERING; PROFESSOR SEELEY, CHAIRMAN ELECTRICAL ENGINEERING; PROFESSOR WILBUR, CHAIRMAN MECHANICAL ENGINEERING; ASSISTANT PROFESSORS LOUISE HALL, HINTON, LEWIS, MEIER, REED, AND WATSON; MESSRS. DURLAND, HOFFER, KRAYBILL, THEISS, VAIL, AND WILLIAMS

GENERAL ENGINEERING

- 1-2. Engineering Drawing.—4 s.h. ASSISTANT PROFESSOR LEWIS, MESSRS. DURLAND AND HOFFER
5. Descriptive Geometry.—2 s.h. ASSISTANT PROFESSOR LEWIS
- 51-52. Technical Drawing.—6 s.h. ASSISTANT PROFESSOR L. HALL
57. Statics.—Prerequisites: courses G.E. 1-2, Mathematics 9 and 10. 3 s.h. STAFF
58. Kinetics.—Prerequisites: courses G.E. 57, and Mathematics 59. 3 s.h. STAFF
107. Strength of Materials.—Prerequisite: course 57. 3 s.h. STAFF
109. Strength of Materials Laboratory.—1 s.h. STAFF
128. Hydraulics.—Prerequisite: course 57. 3 s.h. STAFF
- 151-152. Elements of Cartography.—6 s.h. ASSISTANT PROFESSOR L. HALL

CIVIL ENGINEERING

PROFESSORS BIRD AND HALL; ASSISTANT PROFESSOR WATSON;
MR. WILLIAMS

- S60. Plane Surveying.—Prerequisite: G.E. 1 and trigonometry. 3 s.h. STAFF
61. Higher Surveying.—Prerequisite: course S60. 2 s.h. MR. WILLIAMS
- 63-64. Route Surveying.—Prerequisite: course S60. 4 s.h. ASSISTANT PROFESSOR WATSON
70. Civil Engineering Drawing.—Prerequisite: course G.E. 1-2. 2 s.h. PROFESSOR BIRD
112. Practical Astronomy and Navigation.—Prerequisite: S60 or with the consent of the instructor. 3 s.h. PROFESSOR BIRD
115. Highway Engineering.—3 s.h. PROFESSOR HALL
118. Materials of Engineering.—Prerequisite: course G.E. 107 or concurrent. 3 s.h. MR. WILLIAMS

119. Railroad Engineering.—Prerequisite: course 63-64. 3 s.h.
PROFESSOR BIRD
120. Railroad Engineering.—Prerequisite: course 63-64. 2 s.h.
PROFESSOR BIRD
- 123-124. Sanitary Engineering.—Prerequisite: course G.E. 128. 7 s.h.
PROFESSOR HALL
131. Steel Structures—Stresses.—Prerequisite: course G.E. 57. 4 s.h.
PROFESSOR BIRD
132. Steel Structures—Design.—Prerequisites: courses G.E. 107 and 131.
4 s.h. PROFESSOR BIRD
133. Reinforced Concrete.—Prerequisite: course G.E. 107. 3 s.h.
PROFESSOR BIRD
134. Advanced Reinforced Concrete.—Prerequisites: courses 133 and 135.
3 s.h. PROFESSOR BIRD
135. Soils and Foundations.—Prerequisite: course G.E. 107. 3 s.h.
ASSISTANT PROFESSOR WATSON
- 137-138. Seminar.—2 s.h. STAFF
- 143-144. Projects in Civil Engineering.—3-6 s.h. STAFF
240. Indeterminate Structures.—Prerequisites: course 131 and ability to
read French or German. 3 s.h. PROFESSOR BIRD

ELECTRICAL ENGINEERING

PROFESSOR SEELEY; ASSISTANT PROFESSOR MEIER;
MESSRS. KRAYBILL AND VAIL

- 51-52. Survey of Electrical Engineering.—Prerequisites: Freshman mathematics and concurrent physics. 6 s.h. ASSISTANT PROFESSOR MEIER
151. Theory of Direct Current Circuits.—Prerequisites: course 51-52, Physics 57-58, Mathematics 59, 60. 4 s.h. MR. VAIL
152. Theory of Alternating Current Circuits.—Prerequisites: course 151, Mathematics 131. 3 s.h. MR. VAIL
- 153-154. Principles of Electrical Engineering.—Prerequisite: Physics 57-58. 6 s.h. MESSRS. KRAYBILL AND VAIL
155. Direct Current Machinery.—Prerequisites: courses 151, 161-162. 2 s.h. ASSISTANT PROFESSOR MEIER
156. Electric Transportation.—Prerequisites: courses 151, 152, 161-162, or 153-154. 3 s.h. MR. KRAYBILL
158. Electric-Power Stations.—Prerequisites: courses 151, 152, and M.E. 103-104. 2 s.h. MR. VAIL
159. Electric-Power Transmission.—Prerequisites: courses 151, 152. 3 s.h. PROFESSOR SEELEY
- 161-162. Electrical Circuits Laboratory.—2 s.h. PROFESSOR SEELEY, MR. VAIL
- 163-164. Electrical Machinery Laboratory.—2 s.h. ASSISTANT PROFESSOR MEIER

165-166. Electrical Engineering Seminar.—2 s.h. MR. VAIL AND STAFF

173-174. Projects in Electrical Engineering.—3-6 s.h.
PROFESSOR SEELEY AND STAFF

202. Fundamentals of Radio.—Prerequisite: course 153-154. 3 s.h.
MR. KRAYBILL

257-258. Alternating Current Machinery.—Prerequisites: courses 152, 155.
6 s.h. ASSISTANT PROFESSOR MEIER

261. Communication Engineering, Audio Frequency.—Prerequisites:
courses 151, 152, Mathematics 131. 3 s.h. PROFESSOR SEELEY, MR. KRAYBILL

262. Communication Engineering, Radio Frequency.—Prerequisite: course
261. 4 s.h. PROFESSOR SEELEY, MR. KRAYBILL

263-264. Mathematical Analysis of Electrical Circuits.—Prerequisites:
courses 151, 152 and Mathematics 131. 6 s.h. PROFESSOR SEELEY

MECHANICAL ENGINEERING

PROFESSOR WILBUR; ASSISTANT PROFESSORS HINTON, LEWIS, AND REED;
MESSRS. DURLAND, HOFFER, AND THEISS

51. Constructive Processes.—Prerequisite: Chemistry 2. 3 s.h.
MR. THEISS

52. Kinetics-Mechanism.—Prerequisites: G.E. 2, G.E. 57, Mathematics 59.
Mathematics 60 concurrently. 4 s.h.
ASSISTANT PROFESSORS LEWIS, REED, AND MR. THEISS

54. Kinetics-Mechanism.—Prerequisites: G.E. 2, G.E. 57, and Mathematics
59. Mathematics 60 concurrently. 5 s.h.
ASSISTANT PROFESSORS LEWIS, REED, AND MR. THEISS

55. Steam Engineering.—Prerequisite: Physics 18. 2 s.h.
PROFESSOR WILBUR AND MR. DURLAND

101-102. Engineering Thermodynamics.—Prerequisites: M.E. 55, Physics
58, and Math. 60. 6 s.h.
PROFESSOR WILBUR AND ASSISTANT PROFESSOR HINTON

103-104. Heat Power Engineering.—Prerequisites: Mathematics 60, M.E.
55. 6 s.h. ASSISTANT PROFESSOR REED

105. Fluid Mechanics.—Prerequisite: M.E. 54. 3 s.h.
PROFESSOR WILBUR AND MR. HOFFER

108. Aeronautics.—Prerequisite: M.E. 105. 3 s.h.
MESSRS. HOFFER AND THEISS

113-114. Junior Mechanical Engineering Laboratory.—Prerequisite: M.E.
55. M.E. 101-102 concurrently. 3 s.h. ASSISTANT PROFESSOR HINTON

115-116. Junior Mechanical Engineering Laboratory.—2 s.h.
ASSISTANT PROFESSOR HINTON

150-151. Machine Design.—Prerequisites: G.E. 107, M.E. 51, M.E. 54.
6 s.h. ASSISTANT PROFESSOR REED AND MR. DURLAND

153. Heating and Air Conditioning.—Prerequisites: M.E. 102 or M.E. 104.
M.E. 159 concurrently. 3 s.h. ASSISTANT PROFESSOR REED AND MR. DURLAND

154. Refrigeration Engineering.—Prerequisites: M.E. 102 or M.E. 104.
M.E. 160 concurrently. 3 s.h. ASSISTANT PROFESSOR REED
155. Internal Combustion Engines.—Prerequisite: M.E. 101-102. 3 s.h.
PROFESSOR WILBUR AND ASSISTANT PROFESSOR HINTON
156. Airplane Engines.—Prerequisite: M.E. 155. 3 s.h. MR. HOFFER
158. Industrial Engineering.—3 s.h. MR. THEISS
159. Senior Mechanical Engineering Laboratory.—Prerequisite: M.E. 114.
M.E. 153 concurrently. 2 s.h. ASSISTANT PROFESSOR HINTON
160. Senior Mechanical Engineering Laboratory.—Prerequisite: M.E. 159.
M.E. 154, 162 concurrently. 2 s.h. ASSISTANT PROFESSOR HINTON
162. Power Plant Calculations.—Prerequisites: M.E. 101-102 or 103-104.
3 s.h. PROFESSOR WILBUR
- 171-172. Airplane Design.—Prerequisites: M.E. 150, M.E. 108. M.E. 151
concurrently. 6 s.h. MR. HOFFER
- 173-174. Aerodynamics.—Prerequisites: M.E. 105, M.E. 108. 4 s.h.
MR. HOFFER
176. Aeronautics Laboratory.—2 s.h. MR. HOFFER
- 197-198. Projects in Mechanical Engineering.—3-6 s.h.
PROFESSOR WILBUR AND STAFF
- 199-200. Seminar.—2 s.h. STAFF

GENERAL REGULATIONS

TRINITY COLLEGE, WOMAN'S COLLEGE, AND COLLEGE OF ENGINEERING

Under the accelerated wartime program and in keeping with the Navy schedule, Trinity College and the College of Engineering will be operated on semesters of sixteen weeks each, the first semester beginning on or about July 1, the second semester on or about November 1, and the third semester on or about March 1.

It is important that all students be present on the first day of the session, for those who are late incur the penalties described in this catalogue under the topic "Admission to College" and below under the subtopic "Course Cards." Students who enter after the beginning of the semester are marked absent in the work they have missed in the courses to which they are admitted, and these absences carry the same penalty as do other absences from the courses.

MATRICULATION, REGISTRATION, AND ENROLLMENT

All students must appear before the Committee on Admission and obtain cards for admission. Cards of admission must be presented at the Treasurer's Office at the time of matriculation. All students, both old and new, are required to matriculate at the beginning of each semester and to obtain from the Treasurer a certificate of matriculation which serves also as an enrollment card. Students matriculating in either semester at a date later than that prescribed in this catalogue shall pay to the Treasurer a penalty of \$5.00 for late registration. Students whose course cards have been approved in the spring in the manner provided below are given an opportunity during the summer to matriculate by mail for the first semester. No student without a matriculation card is admitted to any class.

COURSE CARDS

Members of the Freshman, Sophomore, and Junior classes are required to submit to the Dean, not later than the date of spring registration, cards showing their selection of courses for the following year. These cards must be approved by the Dean. After being approved, the cards must be filed for permanent record in the Dean's Office. Students in the Freshman, Sophomore, and Junior classes who do not select their courses for the following year at the time appointed must pay a fee of \$5.00 to the Treasurer of the University before their course cards may be

approved in the fall. The same regulations apply for the second semester. Students whose course cards have been approved but who, for reasons not arising within the University, desire to make a change in the card approved are required to pay to the Treasurer a fee of \$1.00 for each change made. No course may be elected later than two weeks after the opening of the semester.

If a student drops a course without permission from the Dean of the College, the grade for that course shall be recorded as "F."

If a student drops with permission a course in which he is failing at that time, the grade for that course shall be recorded as "F" unless, in the judgment of the Dean, circumstances do not justify this penalty.

EXAMINATIONS

Midyear and final examinations are held in all subjects in January and May, respectively. The examination record combined with the record made in class constitutes the student's final grade.

REGULATIONS REGARDING GRADES

The following regulations have been adopted by the Faculty:

Grades shall be reported so as to indicate one of four things:

(1) *Passed.* A grade "A," "B," "C," or "D" shall indicate that a student has passed a course. The work of this group of students shall be graded according to the following system: "A": exceptional; "B": superior; "C": medium; "D": inferior.

(2) *Failed.* A grade of "F" shall indicate that the student has failed in the course and that in order to receive credit for the course he shall be obliged to take the work again in class.

(3) *Incomplete.* (a) A grade of "I" may be reported by the instructor if for any reason he is unable to report the final grade at the regular time. (b) All students with incomplete grades who have not satisfied the requirements of the departments concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "I" was incurred are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit.

(4) *Absent from Final Examination.* (a) The grade "X" shall indicate that the student was absent from the final examination. (b) A student absent from examination and marked "X," if his absence has been excused by the Dean of the College, may receive an examination on the payment of a fee of \$3.00 to the Treasurer of the University. The department concerned shall arrange for the examination in cases where absences are incurred and excused and the grade reported in these cases shall be that earned by the student. (c) All students (with "X" grades) who have not satisfied the requirements of the department concerned and who have not obtained a passing grade before the close of the semester following the date of the regular examination in which the "X" was

incurred, are regarded as having failed on the course concerned and must repeat the work in class in order to receive credit. (d) If a student's absence from an examination is not excused by the Dean of the College, his grade for the course concerned shall be recorded as "F."

EXPLANATION OF QUALITY-POINT SYSTEM

The requirements for the degree are reckoned not only in semester hours but also in quality-points. Quality-points are the points earned by a student according to his grades, for each semester hour of credit. The grade "A" gives three quality-points for each semester hour of credit; the grade "B," two quality-points; the grade "C," one quality-point. The grade "D" carries no credit in quality-points. For the grade "F" one quality-point is deducted for each semester hour of failure. Credit for 120 quality-points, exclusive of those earned in physical education, is required for the degree of Bachelor of Arts or Bachelor of Science in all groups.

NUMBER OF HOURS OF CLASSWORK

Without special permission of the Dean, no undergraduate student is allowed to take less than fourteen semester hours of classwork a week.

The normal maximum credit work of an undergraduate student in the colleges of arts and sciences is fifteen, or seventeen semester hours (if one course is an eight semester hour science), and the permissible maximum is nineteen semester hours. This maximum, however, cannot be taken by a student who has not earned at least a "C" average on his work of the preceding semester.

CLASS STANDING

For a student to rank as a Sophomore, he must have to his credit twenty-four semester hours with an average grade of "C"; as a Junior, fifty-four semester hours with an average grade of "C"; as a Senior, ninety semester hours with an average grade of "C."

SENIOR WORK

A student of the Senior Class irrespective of his average grade in preceding years, must, in order to be eligible for graduation, complete the work of his Senior year with an average grade of "C" or better.

EXCLUSION FOR FAILURE

A student of the Freshman Class entering college for the first time is not permitted to remain in the University in the second semester unless he passes as much as six semester hours of the work of the first semester; any other student is not permitted to remain in the University in the second semester unless he passes as much as nine semester hours of work in the first semester.

A student of the Freshman Class is not permitted to re-enter in September, nor to enter the Summer Session, if he did not pass at least six semester hours of work in the second semester of the previous year and a total of eighteen semester hours of work for the entire year; any other student is not permitted to re-enter in September, nor to enter the Summer Session, if he did not pass at least nine semester hours of work in the second semester of the previous year and a total of eighteen semester hours of work for the entire year.

STUDENTS TRANSFERRING FROM OTHER INSTITUTIONS

Students whose advanced credits from another institution are accepted by the University will be given an average grade of "C" on the semester hours with which they are credited, provided their grades warrant it.

DEFICIENCIES IN COMPOSITION

The following regulations have been adopted by the Faculty:

1. Any Freshman who is found by the English Department to be unable to handle satisfactorily the work of composition in English 1-2 is required to take special work until he is able to do satisfactorily the regular work of English 1-2.

2. No student who has failed in English 1-2 or 53 is permitted to become a special student without continuing his work in composition until he has made up his deficiency in this work.

3. Whenever the work of a student in any subject is satisfactory to an instructor except for gross errors in English, the instructor concerned may hand in a provisional grade only. This grade may not be recorded in the college files until the student shall have improved his work in composition to the satisfaction of the English Department. A list of such provisional grades, along with evidence of deficiencies, shall be furnished the English Department each term by the officers in charge of the grades, and a report shall be made by this department when the deficiencies shall have been removed.

4. All instructors are requested to advise their students each semester concerning these regulations.

CANDIDATES FOR ACADEMIC DEGREES

1. A tentative list of all candidates for the Bachelor's degree shall be prepared under the supervision of the Dean of the College as early in the college year as possible, shall be read by him to the Faculty at its first regular meeting in October, shall be furnished in copy to each department of instruction for information and reference, and also shall be posted in copy on the official bulletin board of the University for the information of the students concerned.

2. Copies of the second such tentative list likewise shall be prepared, read, and distributed by April 15.

3. A final list of all candidates for the degree shall be read by the Dean to the Faculty at its first regular meeting in May and shall be adopted by the Faculty as the final list. After the adoption of this list no name may be added to it.

A student who completes in a summer session the work required by the University for the Bachelor's degree will be granted the degree at the end of that session.

CLASS ATTENDANCE

Absence of an undergraduate civilian student of Trinity College or the College of Engineering from his class work is excused only if the absence is unavoidable, due to illness, or approved beforehand by the Dean of the College. Punctual attendance also is required; both tardies and absences are reported at the end of each week to the Dean's office by every instructor. They must be explained promptly by the student to the satisfaction of the Dean; else they are regarded as unexcused. For the first unexcused absence from a course, the penalty is the loss of one quality point in that course; for the second from that course, the loss of an additional quality point in the course and probation in the course; for the third from that course, removal from the course without credit for the work done in it. Three unexcused tardies in a course carry the same penalty as one unexcused absence from that course; four in a course, that of two unexcused absences from that course; five in a course, that of three unexcused absences from the course. A student shall be recorded as tardy if he is not present at roll call. A student who is dropped from two or more courses for excessive unexcused absences or tardies is dismissed from college for the rest of the semester.

Instructors' weekly attendance reports are filed in the Dean's office and become a part of the permanent record of all students. No instructor has the authority to excuse either tardies or absences of students.

Regulations regarding class attendance in the Woman's College will be announced later.

ASSEMBLY AND CLASS MEETINGS

TRINITY COLLEGE AND COLLEGE OF ENGINEERING

Due to the war-time schedule, assembly and class meetings which are held regularly when the normal schedule is in effect have been eliminated for the present. However, such meetings may be held on call when conditions justify it.

WOMAN'S COLLEGE

A weekly assembly is held for all students in the Woman's College, and an additional assembly for all Freshmen and transfer Sophomores. A meeting of the Freshman Class is held each week, and other classes meet at appointed times.

Attendance upon all of these meetings is compulsory for all students involved.

SCHOLASTIC REGULATIONS FOR ATHLETIC AND OTHER ORGANIZATIONS

The following regulations have been adopted by the Faculty:

1. Any student who receives less than a passing grade on more than six hours of his required work of the preceding term shall be ineligible to represent the University in any athletic contest, concert, or other public event.

2. Members of athletic teams or other student groups engaging in public representation of the University are expected to be carrying satisfactorily their current work. A student may be barred from participation in such representation if, in the opinion of the Dean, he is not doing satisfactorily his current work.

Duke University is a member of the Southern (Athletic) Conference and observes the following scholastic requirement of that Conference:

"The scholastic requirement for eligibility to participate in varsity intercollegiate sports shall be the passing by the applicant of a minimum of twenty-four semester hours or thirty-six quarter-hours of the work of his immediately preceding year in college; with the proviso that graduate students and students in the schools of law and medicine become scholastically eligible on the certificate of the deans of their schools."

THE ATHLETIC COUNCIL

The Board of Trustees, at its regular annual meeting in June, 1907, created an Athletic Council to be composed of eleven members appointed annually: three from the Faculty, to be appointed by the President of the University; four from the alumni, elected by the Alumni Association; and four from the undergraduates, one from each of the four classes, elected by the members of each class.

The three members of the Athletic Committee of the Faculty are the Faculty representatives in the Athletic Council. This committee alone has the responsibility of enforcing the scholastic and athletic requirements of the University for student participation in intercollegiate sports. The athletic eligibility rules are those of the Southern Conference; the scholarship requirements are printed elsewhere in this catalogue.

The Executive Committee of the Athletic Council is composed of the Chairman of the Faculty Committee on Athletics, and one other Faculty member and one alumni member of the Council. The Athletic Council on recommendations of its Executive Committee arranges athletic schedules, awards insignia of merit earned by members of athletic teams, and strives to promote among students of the University a proper and helpful athletic spirit; to encourage good fellowship in such sports both within the student body and toward student bodies of other educational institutions; through athletic sports to help cultivate a high sense of honor, earnest, unselfish effort, and manly conduct. The Executive Committee of the Council recommends to the President of the University persons to serve

as Graduate Manager of Athletics and as coaches in the various sports. The election of such persons, however, rests solely with the Trustees of the University or the Executive Committee of the University, on recommendation of the President of the University.

All funds arising from athletics are handled entirely by the Treasurer of the University. An audit of the receipts and disbursements of these funds is made annually by the official auditors of the University.

REGULATIONS REGARDING PUBLIC LECTURES AND OTHER PUBLIC OCCASIONS

All public lectures or addresses and other public events that are given under the auspices of the University or of any organization in any way connected with the University are under the supervision of the Faculty Council on Public Lectures. All dates and programs must be approved by this council except in instances where such occasions have been placed under the supervision of the Director of Public Relations.

HEALTH AND PHYSICAL EDUCATION

The program of Health and Physical Education in Duke University has four distinct phases, as follows:

1. Student Health.
2. Physical Instruction.
3. Intramural Sports.
4. Intercollegiate Athletics.

MEDICAL CARE

With the exceptions noted below, full medical and surgical care is furnished to all regularly matriculated students of the University, during both the college year and the summer quarter, at no additional cost to them beyond the medical fee of \$5.00 payable each semester or the medical fee charged each student of the summer quarter. This service is under the direction of the University Physician with the co-operation of the Staffs of the Infirmarys (one on each campus) and the University Hospital. It includes hospitalization (limited to thirty days), medical and surgical care, drugs, dressings, X-ray work, and ward, but not special, nursing. A charge for board is made at the same rate as in the University dining halls, and student meal tickets for these halls are accepted in payment of this board. Refraction of eyes, treatment of teeth and of all chronic and pre-existing conditions, such as diseased tonsils, hernias, elective surgery, chronic skin conditions, endocrine disturbances, etc., or accidents or illnesses occurring during vacations or while off the campus, are not included in this service. The cost of any necessary braces and orthopaedic appliances, as well as of special nursing, must be borne by the student.

No illness is treated in dormitory or other rooms occupied by students. Students needing treatment for minor medical or surgical conditions have

the attention of the Director at his two daily visits to the Infirmarys, which have day and night nurses on duty. Students developing serious conditions are promptly transferred from the Infirmarys to the University Hospital, where they come under the care of the Staff of the Hospital.

PHYSICAL EDUCATION AND INTERCOLLEGIATE SPORTS TRINITY COLLEGE AND THE COLLEGE OF ENGINEERING

The University requires all students to engage in some type of physical activity for two years or four full semesters. This work consists of participation in natural, practical, physical activity for at least three one-hour periods each week. A credit of six hours, with an average grade of "C," is required in physical education for graduation.

The intercollegiate athletic program is controlled entirely by the University and consists of the organization and training of representative Freshman and varsity teams in the following sports: football, basketball, baseball, track, cross country, swimming, lacrosse, wrestling, tennis, and golf.

WOMAN'S COLLEGE

The Physical Education Department aims to give all students an appreciation of the value of activity for general physical well-being, skill in one or more activities which can be enjoyed as recreation after college, a well-developed and well-coordinated body, and a knowledge of good posture and efficient handling of the body in everyday activities.

To this end, students are allowed to choose from a large number of activities including outdoor individual, dual, and team sports, several types of dancing, swimming, and gymnastics. All Freshmen are expected to take body mechanics in the winter, and each student must elect a rhythm, one team sport, and two individual or dual sports sometime during the three years of required physical education.

A medical and physical examination is required of each student upon entrance, and follow-up examinations are used as a basis for determining the type of physical exercise a student should take and any corrective measures needed. Special remedial and corrective classes as well as rest periods are provided for students who cannot engage in the usual sports and activities.

PUBLICATIONS COUNCIL

The student publications of the University are under the control of a council that was established in 1924 and reorganized by the Executive Committee of the University in 1935, and is constituted as follows: three (3) members from the University Staff appointed by the President of the University; two (2) members from the alumni appointed by the President of the University; six (6) men from the Junior and Senior classes, elected by the students in Trinity College; four (4) women from the Junior and Senior classes, elected by the students in the Woman's College; and three (3) editors and three (3) managers of student publications,

ex officio members without any voting power. With the advice of the Council, the President of the University appoints each year for each publication an advisory committee of three (3) members from the Staff of the University.

No student publication can be started at the University without the approval of the Council.

RELIGIOUS EXERCISES

Chapel exercises are conducted on Tuesday and Friday throughout the academic year on the campus for men. Preaching services are held on Sunday at 11:00 A.M. in the University Chapel. Organ recitals are given on Sunday afternoons. In the summer carillon and organ recitals are given twice a week.

UNIVERSITY LECTURES

THE AVERA BIBLE LECTURES

The Avera Bible Fund was established in 1897 in honor of the late W. H. Avera by his wife, who donated \$2,500 for this purpose. The income from this amount is used to establish a lectureship and to provide a collection of books on Biblical Literature.

JOHN MCTYEIRE FLOWERS LECTURES

The John McTyeire Flowers Lectures, established by Mr. B. N. Duke as a memorial to John McTyeire Flowers, a young alumnus of Trinity College who died in the Far East in 1905, were inaugurated in 1921.

UNIVERSITY LECTURE SERIES

The University Series of Lectures is given each year. These lectures are under the supervision of the Committee on Public Lectures of the Faculty.

DUKE UNIVERSITY DAY

In commemoration of the signing by the late James B. Duke, on December 11, 1924, of the Indenture of Trust creating the Duke Endowment, under which Trinity College was expanded into Duke University, appropriate exercises are held on Duke University Day at the University. Various local alumni groups celebrate the anniversary in connection with their annual meetings, some of which are held on December 11 but most of them on other dates during the autumn.

ALUMNI ORGANIZATIONS

GENERAL ALUMNI ASSOCIATION

The Alumni Association of Duke University is composed of the male graduates and former students of Trinity College and Duke University. The Association gives its annual luncheon at Commencement at which a message of greeting is given by a representative of the class holding its twenty-fifth anniversary reunion. The annual business meeting of the Association is held at this time.

GENERAL ALUMNAE ASSOCIATION

The Alumnae Association of Duke University is composed of the women graduates and former students of Trinity College and Duke University. The Association joins with the Alumni Association in the annual luncheon at Commencement, holding its annual business meeting immediately afterward.

GENERAL ALUMNI COUNCIL

To give definite direction and supervision in the campaign for the erection of the Alumni Memorial Gymnasium, and for other purposes, an Alumni Council was provided for at the June, 1919, meeting of the Alumni Association. Since that time the Council has developed into a working body for the promotion of alumni interests by reason of its size and frequency of meetings. The membership is made up of representatives from local associations; class representatives, elected by reunion classes on the occasion of their fifth anniversary, or a multiple thereof; and officers of the Alumni Association.

GENERAL ALUMNAE COUNCIL

At the June, 1925, meeting of the Alumni Association the Alumnae Council was organized to function in a manner similar to that of the Alumni Council, in the interest of the former women students and of the University. Its purpose and form of organization is very much the same as those of the Alumni Council.

THE ALUMNI OFFICE

The General Alumni Office was organized to promote the work of the local alumni and alumnae associations and to co-ordinate the various activities of the General Alumni and Alumnae Associations and the General Alumni and Alumnae Councils. Seventy-seven county and local alumni associations have been formed in North Carolina and other states.

THE ALUMNI REGISTER OF DUKE UNIVERSITY

The Alumni Register of Duke University is a monthly magazine published by the Alumni Association in the interest of the alumni and the University. It aims to keep the alumni in touch with one another and with the University.

THE ALUMNI NEWS

The Duke University Alumni News is sent to all alumni four times during the year.

APPOINTMENTS OFFICE

With the co-operation of the Alumni Office, the University maintains an Appointments Office, in charge of a whole-time director, to serve graduates and advanced students of the institution on the one hand, and those who desire well-qualified persons for teaching and commercial positions on the other hand. The Appointments Office is divided into two sections: (1) the Division of Teacher Placement and (2) the Commercial Positions Division.

DUKE UNIVERSITY NEWS SERVICE

The Duke University News Service is the official publicity agency of the University for the purpose of sending out news to the press. It functions as a division of the Department of Public Relations and Alumni Affairs.

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences and in history. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	
Recreation, Facilities and Equipment Fee, per semester.....	5.00
Damage Fee, payable annually at the time of first registration.....	1.00
Medical Fee, per semester.....	1.00
Library Fee, per semester.....	5.00
Commencement Fee, payable annually at the beginning of the second semester	3.00
Publication Fee:	
First semester	3.00
Second semester	2.50
Diploma Fee, payable by candidates for degrees, refunded if the diploma is not awarded.....	5.00

LABORATORY AND MATERIALS FEES

Botany 1, 2, 52, 55, 101, 104, 202, 204, 221, 255, and 256.....	\$ 2.50
Botany 51, 103, 151, 156, 203, 216, and 252.....	5.00
Forest Botany 224 and 253.....	2.50
*Chemistry 1, 2, 61, 70, 131, 132, 153, 154, 215, 216, 261, and 262.....	7.00
Chemistry 151, 152, 155, 241, 242, 253, and 254.....	8.50
Education 1, 58, 68, and 101.....	1.00
Education 112, 115, 116, 122, and 131.....	7.50
Education 208 (for testing materials in lieu of text).....	2.50
Engineering	
Civil S60—See <i>Summer Session Bulletin</i> .	
Civil 61, 63, 64, 112, 118, 123, 124, 135, 143, 144, and 240	2.00
Electrical 153, 154, 161, 162, 163, 164, 261, 262.....	2.00
General 109	2.00
Mechanical 113, 114, 159, 160, 176.....	2.50
Forest Botany 224 and 253.....	2.50
Forestry 224, 253, 254, 259, 260, 264, 357a, and 358a.....	2.50
Forestry 261, 351, 352, 354, 357b, 358b.....	\$2.50 to \$5.00
Geology 51, 52, 53, 101, 151, and 152.....	2.50
Geology 102	5.00
Field trip in Geology 51-52 and 101-102 at cost.	

* When the laboratory in Chemistry 153-154 supplements that of another course and is taken simultaneously with such course, no fee is charged with Chemistry 153-154.

History 91 and 92.....	3.00
No texts are required in these courses, but a fee of \$3.00 is charged, and books are placed in the Library for the use of those taking the courses. This fee is payable at the beginning of the semester and is collected through the office of the Treasurer of the University.	
Physical Education, per semester, for men.....	1.50
Physical Education, per semester, for women.....	1.00
Physics 1 and 2.....	2.00
Physics 51, 52, 57, 58, 61, 62, 70, 103, 104, 108, 215, 216, 217, 218, and 219	3.00
Physics 106	5.00
Zoology 1, 2, 92, 161, 204, 219, 220, 222, 274, 276, 306, 324, 343, 353, and 354	3.00
Zoology 53, 151, 156, 224, 229, 303, and 321.....	5.00

TEACHERS TAKING COLLEGE COURSES

Teachers in near-by schools, taking one or two courses, are required to pay a registration fee of \$5.00 each semester and a tuition fee of \$3.00 per semester hour of credit in addition to any regular laboratory fee or other fees collected from those students taking the courses.

ESTIMATED EXPENSES FOR AN ACADEMIC YEAR

The necessary expenses of a student are moderate; the University dormitories provide thoroughly comfortable and wholesome living conditions at a minimum of cost, while all charges made by the University have been kept low. Incidental expenses depend naturally upon the tastes and habits of the individual, but the actual necessary college expenses for one year, including board, room-rent, and such University fees as tuition, matriculation, commencement, library, damage, and medical, vary from \$574.50 to \$639.50. Books and laundry are not included in these figures.

LIVING ACCOMMODATIONS FOR MEN

Single room, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus	\$75.00
Double room, per student, per semester—Craven, Crowell, and Kilgo Quadrangles, West Campus.....	62.50
Double room, per student, per semester—Southgate Hall, East Campus...	50.00
Double room, per student, per semester—Epworth Hall, East Campus...	30.00

There are three groups of resident houses designated as Craven, Crowell, and Kilgo Quadrangles on the West Campus. The rooms are single, double, or arranged in suites of two rooms for four students. There are thirty-one houses within the three groups designated by the letters of the alphabet.

There are also two dormitories on the East Campus used for men—Southgate and Epworth halls. All these rooms are equipped for two persons. Students in the College of Engineering are expected to live in either Southgate or Epworth, which are located near the Engineering College. Room reservation fees and applications for room assignments should be addressed to the Director in the Business Division, East Campus.

Kilgo Quadrangle (eight houses) has been set aside as a Freshman dormitory. A portion of Southgate Hall has also been reserved for Freshmen studying engineering. All Freshmen, except those living at home with their parents, are required to room in one of these dormitories.

Rooms are reserved only for applicants who have been officially accepted by the University, upon application to the Director in the Business Division, Duke Station, Durham, North Carolina. A reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the Business Division is required. This reservation fee is deducted from the room charges at the time of registration for the fall semester. An applicant who is accepted and has a room reserved is not entitled to a refund of the reservation fee unless the request is made on or before August 1.

A resident student in order to retain his room for the succeeding year is requested to make application accompanied by a reservation fee of \$25.00 between April 15 and May 15 at the office of the Director in the Business Division. All rooms which have not been reserved on or before May 15 will be considered vacant for the succeeding year and will be reserved in the order in which applications are made.

Rooms are rented for no shorter period than one semester, or in the case of a medical student, one quarter, unless by special arrangement with the Director in the Business Division. A period of occupancy other than a semester or quarter and without special arrangement will be charged at a minimum rate of \$1.00 each day.

The exchange of rooms may be arranged for at the Housing Bureau within fifteen (15) days after the official opening of the semester or quarter of the school term. A charge of two dollars (\$2.00) will be made for the exchange of rooms after the periods allowed for such exchange. Persons exchanging rooms without the approval of the Housing Bureau will be subject to charges for both rooms.

The authorities of Duke University do not assume the responsibility of selecting and assigning roommates, though they will gladly render any assistance possible.

DORMITORY REGULATIONS

Duke University is particularly eager that its students shall have the best dormitory life to be found in any institution, and to encourage this has provided buildings and equipment which are not surpassed. The Institution asks and believes that in return each student will respond to this effort by arranging his personal belongings in an orderly manner, and by caring for the buildings and furniture as he would do in the home of a friend. The following regulations are offered as a guide and a reminder that care is desired.

1. The student will be held responsible for any damage to the room or furnishings during the rental period, and will pay for all damages caused by his neglect, misuse or abuse of any part of the University property. Inspections

will be made throughout the college year to observe the condition of the rooms and to advise students concerning the care of rooms, if necessary.

2. Maids will prepare the rooms daily except Sunday, the service beginning promptly at 8:00 o'clock A.M. and ceasing at 1:00 o'clock P.M., thereby giving the student complete use of his room during the afternoon.

3. University furniture or furnishings must not be removed from the room in which they have been placed by the University.

4. Electric wiring, door locks, window screens, steam or water lines should not be changed or added, since the University supervises and makes such changes as are necessary and advisable.

5. Pictures, pennants, clippings should be hung from the picture moulding and not tacked or pasted on walls or woodwork.

6. Each student is expected to supply necessary sheets, blankets, pillows, rugs, and curtains. Furniture, beds and mattresses (39" x 74"), tables, chairs, dressers, mirrors, and window shades are furnished by the University.

7. All trunks and heavy luggage will be stored in the trunk rooms. Janitors will remove the trunks from the hallways to the storage rooms when they are unpacked.

8. The exchange of rooms or keys should be arranged for at the office. Any exchanges made otherwise will subject the participant to charges for both rooms.

9. The use or possession of intoxicating liquors, wines or beer, and gambling in any manner in any of the buildings or on the grounds of Duke University are forbidden.

10. Animals shall not be kept in the dormitories.

11. Women are permitted in the dormitories only when accompanied by the University Hostess.

12. The use of dormitory rooms as a sales office or storeroom, or the solicitation for sales or gifts within the buildings or on the grounds is prohibited except by appointees of the University.

LIVING ACCOMMODATIONS FOR WOMEN

The Woman's College campus, known as the East Campus, is situated about a mile and a quarter from the West Campus, with a private road connecting the two.

Houses—The seven residence houses on the East Campus are Alsbaugh, Aycock, Bassett, Joseph G. Brown, Giles, Jarvis, and Pegram. A plan of the houses will be sent upon request to the Director in the Business Division, College Station, Durham, North Carolina. Each house has a resident head of house and paging system for announcing visitors.

Rooms—All questions concerning rooms should be addressed to the Director in the Business Division. The students' rooms are single, double, or arranged in suites of two rooms for two students.

Room Furnishings—Rooms are supplied with all necessary furniture. Curtains, towels, sheets, pillow-slips, blankets, and heavy bed covering, etc. are furnished by the students. Sash curtains of a standard type are required and can be bought at the College Store. Draperies, small scatter rugs, and study lamps can be brought from home or bought at reasonable prices from the College Store or in the city. Large rugs and heavy overstuffed furniture may not be brought into the dormitories.

Room Rent—

Single room, per student, per semester, Giles, Alspaugh, Pegram, Bassett, Brown and Jarvis Houses.....	\$87.50
Double room, per student, per semester, Giles, Alspaugh, Pegram, Bassett, Brown and Jarvis Houses.....	62.50
Single room, per student, per semester, Aycock House.....	75.00
Double room, per student, per semester, Aycock House.....	50.00

Room Reservation—A room reservation fee of \$25.00 is required before any room reservation can be made for new or returning students. This fee is deducted from the room charges at the time of registration for the fall semester. Applicants for admission are requested not to send the room reservation fee until notified of acceptance. Those who make application and are accepted will not be entitled to have the reservation fee refunded unless the request is made on or before July 15. Those who are accepted after July 15 have ten days in which to pay their room reservation fee. This fee is not refundable.

No room assignments will be made for new students until they have been officially accepted by the Council on Admissions. The room reservation fee of \$25.00 is payable immediately upon notification of acceptance by the Council on Admissions. If room reservation fee has not been received within ten days after notification of acceptance by the Council on Admissions, the admission will be canceled.

Details relative to the signing of rooms by resident students will be posted on dormitory bulletin boards about April 15. Resident students have the right to retain their rooms for the ensuing year or to sign for new ones in the order of their class beginning with the Seniors. The new students are then assigned the remaining rooms, and in so far as possible, the type of room which they prefer. The University is responsible for the fall semester only for securing roommates for new students desiring double rooms. After a student has been a resident for one semester, the responsibility for securing and keeping a roommate is transferred to the student. If a student occupying a double room does not have a roommate by the date posted, approximately two weeks after the beginning of the semester, she will be required to pay double rent. The University is glad to co-operate in assisting the student to find a roommate.

When a room is once engaged by a student no change will be permitted except with the consent of the Director in the Business Division. Leaving one room and occupying another without permission is strictly against the rule and will render the offender liable to a charge for both rooms for the entire semester. No occupant is permitted to rent or sublet a room to another occupant. Rooms are rented for no shorter period than one semester. When a student leaves school before the end of the semester, the charge is \$1.00 a day unless the total charge on this basis is in excess of the room rent for the semester. All undergraduates who are not residents of Durham are required to live in the dormitories unless they are living with their parents or near-relatives. An undergraduate woman who is over twenty-one years of age and who wishes to live in the city may make special arrangements with the Dean. Provision is made for graduate students to live on the campus.

No visitors are permitted in any sections of the dormitories which are occupied by women except by permission of the office of the Head of the House. Merchandising, solicitation, or advertising of any type is strictly forbidden within the dormitories.

BOARDING ACCOMMODATIONS

Trinity College, West Campus.—Beginning with the academic year 1930-31 the University opened its dining hall in the Union on the West Campus with accommodations sufficient to provide in a superior way for

all resident men students. Charges for board are approximately \$30.00 per month.

The Union is the logical center of student activities for men, and it will be found desirable for male students to board in its supervised halls. In the Union are located the University Post Office, the University Store, the University Barber Shop, and all publication staff offices.

In addition to the Union dining halls, the Coffee Shop is operated for the convenience of students and visitors.

Woman's College, East Campus.—The dining halls of the Woman's College are situated in the Union, the student center, on the East Campus. No resident woman is permitted to board elsewhere than at this Union. Board is \$125.00 per semester.

Because of the large number of those served in the Union dining halls, it is not possible to arrange special diets for individual students. Special diet for the sick is served in the Infirmary.

The Union includes a Faculty dining room, a lounge, and other rooms for various student activities.

College of Engineering, East Campus.—The James H. Southgate Memorial Building, set aside for the housing of engineering students, contains social rooms, gymnasium, dining hall, and kitchen, as well as dormitory facilities. Meals are provided in this building at the same rate which prevails in the other University dining halls.

LAWS REGARDING PAYMENTS

The Executive Committee of Duke University has enacted the following regulations which govern the payment of all fees due the University:

1. The President and the Treasurer of the University have no authority to suspend or in any way alter these regulations.

2. Matriculation and tuition fees are never refunded.

3. Any student who has failed to pay his bills on the dates advertised in the catalogue is denied the right to attend classes until his account is settled in full.

4. No student is considered by the Faculty as an applicant for graduation until he has settled with the Treasurer for all of his indebtedness to the University.

5. No student who has not settled all his bills with the Treasurer of the University is allowed to stand the midyear or final examinations of the academic year.

When a student wishes his bills sent to his parents or guardian, the student or his parent or guardian must so notify the Treasurer of the University in writing in due time, but this in no way releases the student from liability to established penalties, if his bills are not paid on the dates advertised.

TRANSCRIPTS

Students desiring to transfer from Duke University to another institution are entitled to one transcript of their record. A charge of \$1.00 is made for each additional copy.

SCHOLARSHIPS, LOANS, AND EMPLOYMENT AID

Duke University annually awards available scholarships, administers loan funds, and supervises student employment through a committee of the Faculty for deserving undergraduates of Trinity College, the Woman's College, and the College of Engineering.

SCHOLARSHIPS

Scholarships intended to aid needy and deserving students have been established from time to time by persons deeply interested both in Duke University and in the members of its student body. Such scholarships are supported by the income from invested funds. All scholarship endowments are held in trust and are kept separate and distinct from other holdings of the University. All income is faithfully applied in accordance with the terms of the gift or bequest.

In addition, a limited number of scholarships, notably the honorary awards in recognition of scholastic merit and strength of character, are financed through current funds of the University.

Scholarships are awarded annually by a committee of the Faculty appointed by the President of the University. In some cases donors have specified certain limitations and conditions. These are faithfully followed, but in all cases final award is made by the Faculty committee.

As a general rule, scholarships cover tuition charges only, though in some instances provision has been made for larger amounts. Any prospective student may apply for a scholarship. No application, however, may be made formally by a prospective student until application for admission has been made, all necessary credentials presented, and notification of acceptance given. The number of scholarships available is small in comparison with the number of undergraduate students enrolled in the University, and as a result the committee in making the awards attempts in so far as possible to limit scholarship aid to cases where the need is imperative. Before applying for such aid, a student should first have exhausted all means of aid from parents, kinsfolk, interested friends and commercial or civic agencies in his home locality.

All applications for scholarship aid should be made to the Scholarship Committee, Secretary's Office, Duke University.

LOAN FUNDS

A number of loan funds have been established for the benefit of students of Duke University. The most important and largest of these is the Angier B. Duke Memorial Student Loan Fund, which is administered through an advisory committee of officers of the University. The amount

available to be loaned annually depends upon the income from investments and on the amount repaid on loans previously made to students.

The same committee of officers administers the other endowed loan funds of the University.

Although a considerable sum accrues annually for loans to students, it is not sufficient to provide for all calls for assistance. The committee in approving loans selects those students who from the standpoint of character, scholastic attainment, personality, and degree of financial need are most deserving of consideration.

The following regulations govern the making of all student loans:

1. No loan shall be made to a student who violates any of the regulations of the University or whose classwork is not satisfactory to the Faculty.

2. As a general policy a student is not potentially eligible for loan assistance until he has been in residence at least one semester and until those responsible for the administration of loan funds have had an opportunity to acquaint themselves with the worthiness and the need involved in any particular case.

3. Loans will be made only to students who are taking approved courses of study that lead to a degree, and all loans must be arranged for not later than one week after the beginning of a semester.

4. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money shall be advanced before a note with approved security is in the hands of the Treasurer of the University.

5. No loan will be made to defray any other expenses than those incurred during the academic year for tuition, for matriculation, or for room-rent.

6. Interest at a rate of 6 per cent annually shall be charged for all loans of money, and the interest must be paid annually.

7. Applications for loans should be made to the Loan Committee, Secretary's Office, Duke University Station. A formal application for loan assistance may be made only on blanks furnished in the Secretary's Office at the time of registration. The granting or withholding of a loan is a matter entirely within the discretion of the Loan Committee. A student is expected to use all other possible means of securing financial assistance before applying for aid from the Loan Fund.

EMPLOYMENT

A number of students each year secure part-time employment on the University campus and in the city. Those in need of such employment may apply to the Secretary of the Committee on Student Aid, Secretary's Office, Duke University. No definite number of such places can be promised. Available places will be assigned in accordance with the merit and the need of the applicants.

HONORS AND PRIZES

To be eligible for Honors a student must earn during the year a credit of not less than thirty semester hours. Students in the Freshman, Sophomore, and Junior classes who earn an average of at least two and one-half quality-points per semester hour are given Honors. All semester hours on which a student receives a grade are counted in the determination of Honors.

The degree of Bachelor of Arts or of Bachelor of Science with distinction is conferred upon the following rules:

Students who have completed a minimum of ninety semester hours in Duke University are eligible for general Honors at graduation. Those who earn an average of at least two and one-half quality-points per semester hour are recommended for a degree *magna cum laude*. Those who earn an average of at least two and three-fourths quality-points per semester hour are recommended for a degree *summa cum laude*. All semester hours taken in Duke University on which a student receives a grade are counted in the determination of Honors.

MEDALS AND PRIZES

The Wiley Gray Medal was established by the late Robert T. Gray, Esq., of Raleigh, North Carolina, to be awarded annually in memory of his brother. It is given for the graduating oration that shall be, in the opinion of a committee, the best, with respect to both declamation and composition.

The Debate Council authorizes the awarding of medals to members of the graduating class who have represented the University in at least two intercollegiate debates. The medals are given by the local chapter of the Tau Kappa Alpha Fraternity.

The Robert E. Lee Prize is the gift of the Reverend A. W. Plyler, of the Class of 1892, and Mrs. Plyler. The sum of \$50 is awarded annually at Commencement, preferably to that member of the Senior Class who in character and conduct, in scholarship and athletic achievement, in manly virtues and the capacity for leadership, has most nearly realized the standard of the ideal student. The Dean of the College, the Graduate Manager of Athletics, and the President of the Student Council constitute a committee to draft and adopt regulations governing the award.

Alpha Kappa Psi Medallion. This prize is offered each year to the member of the graduating class who makes the highest record in economics and business administration during his career at the University.

The Willis Smith Prize. Mr. Willis Smith, a member of the Raleigh Bar and Chairman of the Law School Committee of the Board of Trustees of Duke University, awards each year to that member of the grad-

uating class of the Law School who has maintained the highest scholastic average during the entire three years of Law School work, a prize consisting of a set of books selected personally by Mr. Smith each year for that purpose.

Julia Dale Prize in Mathematics. This is a prize of books given annually to the undergraduate who shows the greatest proficiency in the study of the calculus.

The Milmore Prize, consisting of one year's subscription to the *Electrical World*, is awarded each year to that student from North or South Carolina graduating in the Department of Electrical Engineering, who, in the opinion of the Faculty of that department and as shown by his grades, has made the most progress in electrical engineering during his last year in college.

Institute of the Aeronautical Sciences Awards. Two annual awards, each consisting of a two-year paid-up membership in the Institute and a certificate, presented, respectively, to the student presenting the best paper before a meeting of the Duke student branch of the Institute, and to that student of the Department of Mechanical Engineering making the highest scholastic record in aeronautical engineering courses.

The Pegram Chemistry Club Prize will be awarded in the spring of each year for scholarship in chemistry, physics, and mathematics. The prize is to consist of one-year junior membership in the American Chemical Society, and a one-year subscription to either the *Journal of the American Chemical Society*, or to *Industrial and Engineering Chemistry*. To qualify for this prize the student must (1) be enrolled as an undergraduate of Duke University, (2) be taking or have taken a fourth-year chemistry course. The winner of this prize is to be selected by a committee consisting of at least one Faculty member and at least two members of the Pegram Chemistry Club; the selection is to be based on the quality-point average for all courses taken in chemistry, physics, and mathematics. In case of a tie equal awards will be given.

The Sigma Xi Prize. The Society of the Sigma Xi, honorary scientific society, is devoted to the encouragement of scientific research, and seeks to stimulate those who show promise of accomplishment in scientific research. As an encouragement to younger men and women the Duke Chapter of Sigma Xi has established the following prizes to be awarded annually to students resident at Duke University: \$20.00 for an undergraduate project or paper, \$20.00 for a Master's thesis or its equivalent, and \$40.00 for a Ph.D. dissertation or its equivalent. Nominations, recommendations, copies of theses, reports or other material must be in the hands of the Secretary of the Chapter on or before May 5.

The Erasmus Club Prize in the Humanities. The Erasmus Club, founded in 1925, a group of Duke faculty members interested in research in language, literature, and the arts, seeks to stimulate interest and study in these fields. To encourage Duke students in this field, the Erasmus Club has established an annual prize, amounting to \$25.00, for the best

original essay by an undergraduate which embodies the results of research, criticism, or evaluation in some subject in the humanities. Prospective competitors should consult some member of the faculty, preferably their major professor. Essays must be typewritten and must be submitted to the president of the Club before the first of April. The Club reserves the right to withhold the prize in case there are no essays of acceptable quality.

STUDENT ORGANIZATIONS AND ACTIVITIES

The Men's Association of Duke University comprises all men students in Trinity College. It functions through its officers and a council to initiate policies and to oversee matters within the control of the student body. The council is composed of nine members: three executive officers, two representatives from the Senior Class, two from the Junior Class, one from the Sophomore Class, and one from Southgate Dormitory.

The Women's Student Government Association is similar in character to the men's association. Its council is composed of the officers of the association and ex officio of the Y.W.C.A. president and an undergraduate representative.

The Young Men's Christian Association and the *Young Women's Christian Association* are branches of the national student Christian Associations. Each body aims to enrich not only the religious life of its members as individuals but also to promote religious group activity. Delegates are sent each year to summer conferences, state conventions, interstate conventions, and the state Bible and missionary institutes. Every year a series of special religious services is held. The Open Forum Bible Class is conducted under the auspices of the Church Board.

Other organizations and activities include the following:

Bench and Bar Association (Pre-Legal Undergraduates); Classical Club (Men); Debate Council (Men); Debating Club (Women); Duke University Church (Interdenominational); Duke University Pre-Medical Society (Undergraduate Medical Group); Hoof and Horn Club; Isotes (Independent Social Group—Women); Ministerial Fellowship; Modern Dance Group; Nereidian Club (Women); Poetry Club; Quadrangle Pictures; Student Forum Committee (Women); Student Religious Council; The Duke Players; The Explorers' Club; Town Boys' Club; Town Girls' Club; Trident Club; Wartime Social Activities Board; Women's Athletic Association; and W. H. Pegram Chemistry Club.

HONORARY ORDERS AND FRATERNITIES (NATIONAL)

Chi Delta Phi (Literary—Women); Kappa Delta Pi (Education); Omicron Delta Kappa (Leadership—Men); Phi Beta Kappa (Scholarship); Phi Eta Sigma (Freshman Scholarship—Men); Pi Mu Epsilon (Mathematics); Tau Kappa Alpha (Forensic), Tau Psi Omega (French); Theta Alpha Phi (Dramatic).

HONORARY ORDERS AND FRATERNITIES (LOCAL)

Beta Omega Sigma (Sophomore—Men); Delta Phi Rho Alpha (Athletic—Women); 9019 (Scholarship—Men); Ivy (Freshman Scholarship—Women); Red Friars (Leadership—Men); Sandals (Sophomore—Women); Tombs (Athletic—Men); White Duchy (Leadership—Women).

ENGINEERING ORGANIZATIONS AND FRATERNITIES

American Institute of Electrical Engineers; American Society of Civil Engineers; American Society of Mechanical Engineers; Institute of the Aeronautical Sciences; Delta Epsilon Sigma (Honorary Engineering Fraternity); Engineering Student Government Association; Engineering Town Boys' Club.

MUSICAL ORGANIZATIONS AND FRATERNITIES

Kappa Kappa Psi (National Band Fraternity); The Duke University Instrumental Music Association, comprised of members from Duke University Band, Duke University Orchestra, and chamber music groups; The Men's Glee Club; The Women's Glee Club; The University Chapel Choir; The Woman's College Orchestra; The Woman's Music Study Club.

SOCIAL FRATERNITIES (NATIONAL)**(The Men's Panhellenic Council)**

Alpha Tau Omega; Beta Theta Pi; Chi Phi; Delta Sigma Phi; Delta Tau Delta; Kappa Alpha; Kappa Sigma; Lambda Chi Alpha; Phi Delta Theta; Phi Kappa Psi; Phi Kappa Sigma; Pi Kappa Alpha; Pi Kappa Phi; Sigma Alpha Epsilon; Sigma Chi; Sigma Nu; Sigma Phi Epsilon; Zeta Beta Tau.

SOCIAL SORORITIES (NATIONAL)**(The Women's Panhellenic Council)**

Alpha Chi Omega; Alpha Delta Pi; Alpha Phi; Alpha Epsilon Phi; Delta Delta Delta; Delta Gamma; Kappa Alpha Theta; Kappa Delta; Kappa Kappa Gamma; Phi Mu; Pi Beta Phi; Sigma Kappa; Zeta Tau Alpha.

STUDENT PUBLICATIONS**(Publications Council)**

Archive (Monthly); *Chanticleer* (Annual); *Chronicle* (Semiweekly); *Duke 'n' Duchess* (Monthly Humor).

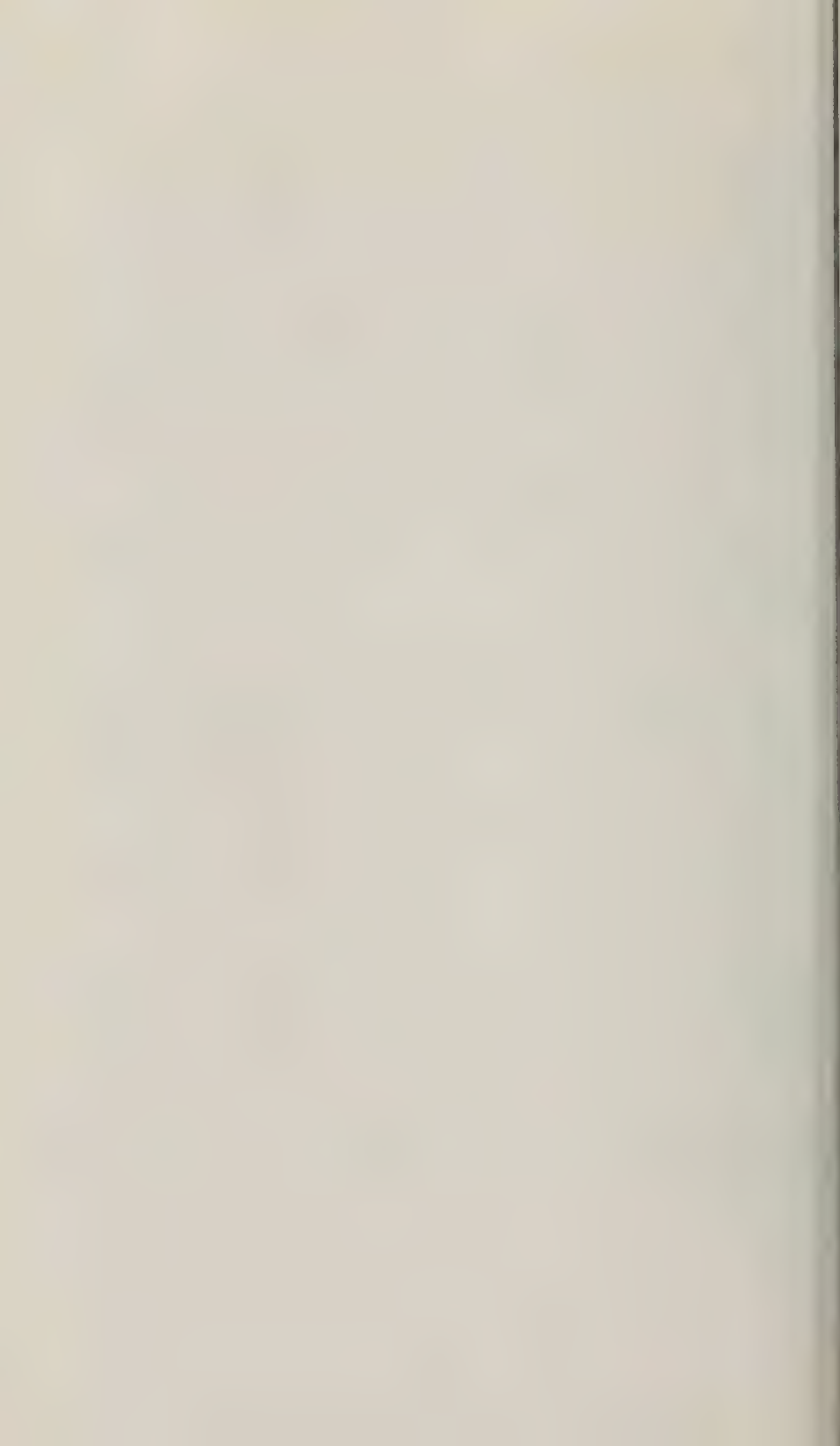
STUDENT ACTIVITIES OFFICE

The Student Activities Office was established for the purpose of assisting and co-ordinating the financial activities of the various student organizations in Trinity College.

The office offers to student organizations a banking service through the office of the University Treasurer.

There is no charge for this service.

The Student Activities Office, co-operating with the University Purchasing Department, also serves in the capacity of purchasing agent for its affiliated student organizations. Problems of a general nature having to do with extracurricular activities may be discussed with this office.



THE GRADUATE SCHOOL
OF ARTS AND SCIENCES

CALVIN BRYCE HOOVER, A.B., PH.D., LITT.D.
Dean

1942-1943
ANNOUNCEMENTS FOR 1943-1944

GRADUATE INSTRUCTION IN DUKE UNIVERSITY

ADMISSION

TO GRADUATE COURSES

A student who has received the A.B. or B.S. degree for a four-year undergraduate course may be admitted to take graduate courses in the Graduate School of Arts and Sciences of Duke University, provided that his undergraduate record gives positive evidence of ability to undertake graduate study successfully. An average grade of not less than "B" is ordinarily accepted as evidence of such ability.

No college or university work taken before the Bachelor's degree is conferred, or fully earned, may be credited toward an advanced degree except under the following circumstances: A student of Duke University who lacks at the beginning of a term not more than nine semester hours of fulfilling the requirements for the Bachelor's degree may obtain permission from the Dean of the Graduate School to take during the term graduate courses sufficient to bring his total work to fifteen hours a week. Such graduate courses will be credited toward the degree of Master of Arts or Master of Education if registered in the Graduate School Office at the beginning of the term and if the student meets the requirements below for formal admission to the Graduate School.

A candidate for admission to graduate courses should ask the proper officer of the college(s) he attended to send directly to the Dean of the Graduate School an official transcript of his undergraduate record. An advanced student should provide also a transcript of the graduate work completed by him. In no case will a transcript presented by the candidate himself be accepted as a basis for admission, nor will a transcript mailed by any institution be returned to the student. An application blank for admission will be provided upon request to the Dean of the Graduate School. The transcript and application should be submitted to the Graduate School by September 1 for admission in the autumn semester and by January 15 for admission in the spring semester.

TO THE GRADUATE SCHOOL

After twelve semester hours of graduate work, the student may apply for admission to the Graduate School, and thus become a candidate for the Master's degree. Such admission is dependent upon the fulfillment of two conditions. (1) The student must have made a mark of "G" or "Good" in at least three semester hours of work, with no mark less than "S." Candidates who cannot meet this condition may at a later time submit their records for re-evaluation, provided that in their subsequent work they shall have made a substantial number of "G's." (2) The student in his undergraduate work must have met substantially the require-

ments for the A.B. or B.S. degree at Duke University. Any deficiencies of undergraduate work must be satisfied before admission to the Graduate School. Graduate courses taken at Duke University prior to formal admission to the Graduate School will count toward a higher degree provided they are in accord with its requirements and are acceptable to the major department. A graduate student may be requested to withdraw from the University at the discretion of the Dean of the Graduate School.

REGISTRATION

A student who is admitted to graduate courses will receive a permit to register, which he should present when he registers for courses. If he expects to work toward an advanced degree, he must consult with the Director of Graduate Studies or his representative in the department in which he proposes to major before registering his courses in the Graduate School Office. This can be done during the registration period in September and January. The department concerned will determine whether a student is prepared to take any particular course. In all cases the student must make up without credit toward a graduate degree all prerequisites required by the major department of candidates for advanced degrees. Students who have fulfilled the minimum residence requirements for the doctorate but who are continuing resident study at Duke University for the degree should register in the Graduate School Office, even though there may be no fees to be charged.

New students are advised to arrive early during the registration period in order to formulate their programs. *Anyone registering for courses after the close of the regular registration period will be charged a late registration fee of five dollars.*

TUITION AND FEES

GENERAL FEES IN THE ACADEMIC YEAR

The following table shows the general fees and charges collected from all students and the special fees collected from those taking courses in the sciences. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester. No student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

Matriculation, per semester.....	\$ 25.00
Tuition, per semester.....	100.00
Room-rent—See detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the University grounds, per semester.....	
Damage Fee, payable annually in September.....	5.00
Medical Fee, per semester.....	1.00
Library Fee, per semester.....	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred.....	5.00
Diploma Fee, payable by candidates for degrees at the beginning of the second semester, refunded if the diploma is not awarded.....	3.00
	5.00

SPECIAL FEES

Graduate students in the sciences are required to pay the regular laboratory fees for courses as determined by the various departments. An administrative fee is charged in connection with special research work in the summer under direction of a member of the Faculty.

STUDENTS FROM THE UNIVERSITY OF NORTH CAROLINA GRADUATE SCHOOL

Under an experimental plan of co-operation between the University of North Carolina and Duke University, regular students from the University of North Carolina Graduate School admitted to courses in the Duke University Graduate School pay a registration fee of two dollars and any laboratory or special course fees which are required of all students.

TRANSCRIPTS

A student desiring to transfer from Duke University to another institution is entitled to one free transcript of his record. A charge of one dollar, payable in advance, is made for each additional copy. Transcripts of students who enroll in graduate courses only in the summer sessions are issued by the Summer Session Office prior to the fulfillment of all requirements toward an advanced degree, after which time they can be obtained in the regular way from the Graduate School.

PAYMENTS TO FELLOWS, SCHOLARS, AND GRADUATE ASSISTANTS

Payments by the University of stipends to fellows, scholars, and graduate assistants are made in four equal installments, approximately the middle and end of each semester. Tuition and fees are charged against the stipends.

Fellows and scholars are required to pay the regular tuition and fees and are expected to take a full program of work. Assistants who are permitted to register for only four fifths of a regular program are charged a proportionate amount of the tuition in addition to the regular matriculation and other minor fees.

SPECIAL CHARGES FOR TEACHERS AND OTHERS

For the purpose of aiding North Carolina teachers in their professional preparation, Duke University grants a special tuition rate to members of the faculties of near-by schools and colleges who desire to register during the regular academic session for one or two graduate courses. For such courses a teacher regularly employed and teaching while taking these courses is charged a registration fee of five dollars at the beginning of each semester and a tuition fee of three dollars per semester hour of course credit, together with any laboratory fees which may be required in these courses. Under this provision a student may not register for more than seven hours per week.

Employees of Duke University who are paid on a monthly basis throughout the year, ministers of near-by churches, and wives of the

Duke Faculty may be included under the above provisions by the Dean of the Graduate School, provided that such persons do not receive residence credit in any semester for more than two fifths of a regular program in meeting the requirements for advanced degrees.

The special tuition rate for teachers does not apply in any case to the holders of fellowships, graduate scholarships, and graduate assistantships annually awarded in the Graduate School nor to teachers on leave of absence and not actually engaged in their teaching at the time of registration.

FELLOWSHIPS, SCHOLARSHIPS, AND ASSISTANTSHIPS

For the assistance and encouragement of graduate students of high character and marked ability, the University has established a considerable number of fellowships and scholarships. Holders of fellowships and scholarships will be expected to pay the tuition fee and such additional fees as are regularly required. Applications for these appointments should be received on or before March 1 of each year. In case vacancies occur, applications submitted on a later date will be considered. Appointments which were offered for the year 1943-44 are listed below.

FELLOWSHIPS

One Angier Duke Memorial Fellowship of one thousand dollars.

Twenty-two university fellowships with stipends varying from six hundred to eight hundred and fifty dollars each.

Two Gurney Harriss Kearns Fellowships in Religion of seven hundred dollars each.

Fellows will be required to give a limited amount of assistance in reading papers, in laboratories, or in other departmental duties. All fellows carry a full program of graduate work.

GRADUATE SCHOLARSHIPS

Twenty-five graduate scholarships with stipends varying from four hundred to four hundred and fifty dollars each.

Scholars may be asked to give a limited amount of assistance in departmental work. They normally carry a full program of graduate studies.

CHARLES W. HARGITT RESEARCH FELLOWSHIP IN ZOOLOGY

The Charles W. Hargitt Research Fellowship in Zoology, carrying a stipend of \$1,000, is restricted to research work in the field of *Cytology*. Appointment is for a single year, with the possibility of reappointment. The fellowship is primarily for postdoctoral research, though it may be applied to pre-doctoral work in rare cases. Inquiries and applications should be made to Dr. George T. Hargitt, Biology Building, Duke University, Durham, North Carolina.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS IN FORESTRY

Information regarding special fellowships and graduate scholarships in forestry may be obtained before March 1, 1944, from the Dean of the School of Forestry, Duke University, Durham, North Carolina.

APPOINTMENTS AS GRADUATE ASSISTANTS

A considerable number of appointments as teaching assistants or readers will be available for graduate students. The compensation will usually range from \$300 to \$700, depending upon the nature and amount of the work assigned. Assistants receiving \$500 or more will be registered for four fifths of a normal program of studies and accordingly will receive four-fifths residence credit. Assistants in this classification will be charged four fifths of the tuition fee, and the same matriculation and minor fees as other students.

Information regarding fellowships, graduate scholarships, and graduate assistantships, together with application blanks, may be obtained from the Dean of the Graduate School, Duke University, Durham, North Carolina.

SIGMA XI PRIZE AWARDS

The Society of Sigma Xi offers each year a prize of \$20 for a Master's thesis or its equivalent and one of \$40 for a Ph.D. dissertation or its equivalent in the fields of Botany, Chemistry, Forestry, Mathematics, Medicine, Physics, Psychology, and Zoology. The student must be in residence during the academic year in which the prize is awarded. Students holding graduate appointments are eligible to compete, but instructors, part-time instructors, and interns are not eligible. The department concerned makes the nomination. Full particulars may be obtained from the secretary of the chapter, Dr. F. W. Constant, Department of Physics.

ADVANCED DEGREES

The degrees offered in the Graduate School of Arts and Sciences are Master of Arts (A.M.), Master of Education (M.Ed.), and Doctor of Philosophy (Ph.D.). Most departments of the University are now prepared to give a full program of work leading to the degree of Doctor of Philosophy.

THE LIBRARY

The total number of volumes in the University Libraries on June 30, 1942, was 659,050 volumes. These are distributed among four main units: the General Library with 494,057 volumes; the Hospital (Medical) Library, 39,576 volumes; the Library of the Law School, 71,279 volumes; and the Woman's College Library, 54,138 volumes.

The work of students in the Graduate School is carried on primarily in the General Library. A Graduate Reading Room, which contains the reference material most in demand, provides a quiet and convenient place for study. Graduate students are also admitted freely to the stacks.

Within the stacks are located 108 carrells or desks which are assigned on an annual basis, preference being given to students in the Graduate School. To facilitate work in the natural sciences, the General Library maintains departmental libraries adjacent to laboratories for the Departments of Chemistry, Physics, and Biology. Departmental libraries are also maintained for the Divinity School, the School of Engineering, and the School of Forestry.

In the field of mathematics and the sciences particular attention has been given to securing files of important journals and serials. A checklist of all scientific periodicals and serials on the University campus shows a total of approximately 2,200 files in a more or less complete form. The total number of current periodicals received by subscription, exchange, and gift in 1941-42 was 2,807, exclusive of duplicates.

In the field of the social sciences and the humanities every effort has been made to secure the basic collections of source material as well as the more important publications of criticism and discussion. This has been done by the acquisition of such sets as the *Die Griechischen Christlichen Schriftsteller der ersten drei Jahrhunderte*, *Corpus Scriptorum Ecclesiasticorum Latinorum*, Migne's *Patrologia*, the *Corpus Scriptorum Historia Byzantiae*, the *Monumenta Germaniae Historica*, the *Acta Sanctorum*, the *Corpus Reformatorum*, the catalogs of the manuscript collections of the larger European libraries, complete files of the publications of the League of Nations, the International Labor Office, and many others. The endeavor to select the more important items in the various fields of graduate work has been supplemented by the purchase of a number of special collections and libraries. Among the more important of these might be mentioned a Peruvian library of approximately seven thousand books and manuscripts; a library of several thousand volumes dealing with Brazil; the recently acquired Robertson library of Philippiniana; the Lanson Collection of French literature consisting of twelve thousand books and monographs; a Goethe collection of one thousand volumes; a Scandinavian collection of three thousand volumes; a collection of about five thousand items of early Americana, dating from the seventeenth century to 1820; the Holl church history library dealing primarily with the period of the Reformation; a collection of many thousands of church minutes and records of American denominational history; two collections of eighteenth-century English poetry and prose totaling about five thousand items; two special collections, one dealing primarily with Byron and the other with Coleridge, containing a number of manuscripts, annotated copies, and first editions; a collection of material on the Fourier movement; and the Thomas Collection of books on Chinese history and culture. Special mention should be made of the George Washington Flowers Collection of manuscripts, books, newspapers, and pamphlets dealing with all phases of Southern history, and of the Trent Collection of Walt Whitman books and manuscripts.

PUBLIC DOCUMENTS

The importance of public documents as fundamental source materials for the social sciences and as containing also some of the most important work in the field of applied science is being clearly recognized, and an excellent start has been made toward a comprehensive collection of this material. The Library has been a depository for Federal documents since 1890. State documentary publications are also being systematically collected in co-operation with the University of North Carolina. Of European public documents a representative collection has been secured. Among the more notable items might be mentioned the *British Parliamentary Papers* (since 1925), *Calendar of State Papers*, the *Acts of the Privy Council*, *Hansard's Debates*, the *Débats Parlementaires* of the French Senate and Chamber of Deputies, the *Journal Officiel de la République Française*, the *Bulletin des Lois de la République Française*, the *Reichsgesetzblatt*, the *Verhandlungen des Reichstages*, the *Atti* of the Italian Parliament, and the *Diario* of the Spanish Cortes. The public documents of the Latin-American countries, especially Argentina, Brazil, Chile, and Peru, form one of the strongest units of the Library.

Under this heading should be mentioned also the Library of Professor Louis Strisower, Sometime President of the Institut de Droit International, which contains approximately five thousand volumes dealing with international law. The volumes date from the seventeenth century to the present and contain some especially valuable periodical files and rare books.

PUBLICATIONS OF EUROPEAN ACADEMIES

The Duke University Library has the publications of many of the European academies, containing monographs in most of the fields of knowledge and constituting important sources for the research programs of graduate students and Faculty. The sets comprise about two thousand volumes and include *Preussische Akademie der Wissenschaften* (Berlin); *Gesellschaft der Wissenschaften zu Göttingen*; *Sächsische Akademie der Wissenschaften* (Leipzig); *Bayerische Akademie der Wissenschaften* (Munich); *Heidelberger Akademie der Wissenschaften*; *Akademie der Wissenschaften* (Vienna); *Académie des sciences* (Paris); *Académie des inscriptions et belles-lettres* (Paris); *Académie des sciences morales et politiques* (Paris); *Accademia nazionale dei lincei*; *Accademia pontificia dei nuova lincei* (Rome); *Real academia española* (Madrid); *Academia de la historia* (Madrid); *Akademia nauk* (Leningrad); *Dansk videnskabsnernes selskab* (Copenhagen); *Norsk videnskapsakademi i Oslo*; *Akademie van Wetenschappen* (Amsterdam); *Académie royale des sciences, des lettres et des beaux-arts de Belgique* (Brussels); *Akademija umiejetnosci* (Krakow).

NEWSPAPERS

The Library collection of newspapers contains around twelve thousand volumes. Practically all states of the Union are represented, although the major part of the collection is from along the Atlantic seaboard. Of

the eighteenth-century items, the states best represented are Massachusetts, Maryland, New York, Rhode Island, Virginia, North Carolina, South Carolina, and Georgia. There is an excellent collection of nineteenth-century New England papers. There are especially long runs of the *New York Herald*, *New York Times*, *New York Tribune*, and the *London Times*. The World War period is unusually strong with about twenty-eight titles practically complete for 1914-19. There is a group of papers from Germany in the years just after the World War. Special emphasis has been placed on the Southern States, and there are numerous volumes of papers from North Carolina, South Carolina, and Virginia, representing the Colonial period, the Ante-Bellum period, and the Civil War period. The current subscription list of eighty-five titles represents American public opinion and contains nineteen important foreign titles.

MANUSCRIPTS

The manuscript collection now contains approximately 820,000 pieces. Outstanding items include one notable Greek manuscript of the thirteenth century containing the entire New Testament. There are an interesting body of Rossetti material and a number of Tennyson letters. For the most part, however, the collection relates to the South Atlantic region. The field of American literature is represented by the papers of Paul Hamilton Hayne, Thomas Holley Chivers, William Gilmore Simms, John Esten Cooke, George Frederick Holmes, Thomas Nelson Page, and Walt Whitman. Material is most copious in the field of history, where the papers of both well-known and minor figures provide a well-rounded picture of life in the South during the nineteenth century. Aside from politics, information can be found on all phases of social and economic life. Particular attention is given to the period of the Civil War, with the result that the collection is rich in material on civic and social as well as military phases of that conflict. Of interest for historical studies are the papers of P. G. T. Beauregard, John C. Calhoun, David Campbell, John J. Crittenden, William H. Crawford, Jefferson Davis, James Mercer Garnett, Nathanael Greene, Louis M. Goldsborough, David B. Harris, William W. Holden, T. J. (Stonewall) Jackson, John M. Kell, Robert E. Lee, Francis R. Lassiter, George McDuffie, A. T. Mahan, Willie P. Mangum, Matthew Fontaine Maury, Francis W. Pickens, Richard Singleton, and Alexander H. Stephens. The Library has also recently acquired the archives of the American Socialist party from 1901 to 1938. The manuscript collection is increasing at the rate of about fifty thousand items annually.

EXCHANGE PRIVILEGES WITH THE LIBRARY OF THE UNIVERSITY OF NORTH CAROLINA

The libraries of Duke University and of the University of North Carolina have completed arrangements for the fullest exchange of privileges and resources. Each library contains a catalogue of the contents of

the other, and books requested from the other library are supplied through a delivery service which operates weekly. Faculty members and graduate students may secure cards admitting them to the stacks of the other library. The Library of the University of North Carolina contains approximately 450,000 volumes, besides a large collection of manuscripts relating to Southern history. Through this arrangement more than 1,150,000 volumes are available to students in the combined libraries.

SCIENCE LABORATORIES

BIOLOGICAL LABORATORIES

The Biology Building on the West Campus contains three refrigerated rooms, an incineration room, a workshop, an aquarium room, five animal rooms connected with outside yards, and eight dark rooms. Special laboratories are provided for advanced work in plant and animal physiology, parasitology, cytology, taxonomy, bacteriology, ecology, histology, mycology, anatomy, embryology, endocrinology, entomology, forest soils, and wood anatomy and properties. A 300-acre arboretum is being developed adjacent to the campus with Dr. E. S. Harrar in charge. A greenhouse gives adequate space for experimental work and propagation. There is an herbarium of some fifty thousand specimens of all plant groups with a large representation of the Southern flora. Dr. H. J. Oosting is Curator of the Herbarium, and Dr. I. E. Gray is the Curator of the Zoological Museum. On the East Campus, laboratories are provided for undergraduate women, and there is a small greenhouse near the Science Building. Laboratories and rooms for students doing research are equipped with vacuum, compressed air, direct and alternating current, gas, and running water. Proper equipment and supplies for biological work are available.

The Duke Forest and its streams provide excellent collecting grounds. The Duke Forest is under the management of the School of Forestry. Duke University is situated in the Piedmont region, between the mountains and the coastal plains. This gives easy access to a varied flora and fauna. North Carolina is the home of the tulip poplar, holly, rhododendron, mountain laurel, flowering dogwood, several species of insect-catching plants, cypress, and other interesting plants. Among the animals are a varied assortment which range from marine to mountain species. In the woods about the University there is a great variety of animals.

The Duke Marine Laboratory at Beaufort, North Carolina, provides facilities for work on plants and animals in and near the ocean. It is situated on Piver's Island, adjacent to the Biological Laboratory of the United States Bureau of Fisheries. Dr. A. S. Pearse is Director.

PHYSICAL LABORATORIES

The physical laboratory contains approximately an acre of floor space which is devoted to instruction and research. In addition to the usual lecture and elementary laboratory facilities, laboratories are provided for

work in electrical measurements, optics, atomic physics, and advanced measurements in general physics.

Rooms are provided for various instruments of research in spectroscopy, such as a 10-foot concave grating which is used in conjunction with a 32-meter-long stainless steel pipe for study of weak absorption; a vacuum spectrograph with a 2-meter glass grating; an apparatus for the study of the Raman spectra of gases photographed with a large 3-prism glass f 2.5 glass Zeiss spectrograph and various other spectroscopic instruments, such as the Hilger E-1, Moll microphotometer, etc.

Research facilities, such as counters, cloud chambers and ionization chambers, are available for the study of the properties of extremely high energy particles such as those present in the cosmic radiation.

A well-equipped shop operated by trained instrument makers makes possible the development of instructional and research apparatus. A shop is also provided for the use of the Staff and graduate students.

CHEMICAL LABORATORIES

Graduate work in chemistry is carried on in a modern building with a floor area of about 57,000 square feet. Of this total space a large proportion is available for research and advanced teaching. There are twenty-five double research rooms completely equipped with the usual services. In addition, a number of specially designed rooms are available for present or future research, such as a photographic room, constant temperature room, distillation room, combustion room, bomb room, and rooms equipped for dielectric constant and magnetic measurements.

A glass-blowing room and a well-equipped shop, operated by a competent mechanic, provide facilities for the construction of special apparatus and for the repair and maintenance of instruments.

MEDICAL SCHOOL

In the School of Medicine elaborate facilities are provided for post-graduate research in the various branches of medical science. The Departments of Anatomy, Bacteriology and Immunology, Biochemistry, and of Physiology, Pharmacology, and Nutrition offer certain courses and adequate research facilities to students in the Graduate School of Arts and Sciences. The use of the Duke Hospital Library is available to all graduate students.

THE DUKE FOREST

Through placing the Duke Forest under intensive management for forestry purposes, substantial progress has been made in developing the educational work and research in forestry. The Duke Forest consists of approximately six thousand acres of land, most of which is adjacent and easily accessible to the University campus. Situated in the lower Piedmont region and composed of second-growth shortleaf pine, loblolly pine, and hardwoods, the Forest is representative of the various types of timber growth and soils found throughout the region.

The proximity of the Forest to the laboratories, greenhouses, and library facilities of the University provides an excellent opportunity for advanced study and research in forestry. Research, particularly in the fields of silvics, forest soils, silviculture, forest management, properties of wood, forest-tree physiology, and forest pathology, is well under way. Several members of the Botany and Zoology Staffs are also engaged on research in the Duke Forest.

For additional information see the *Bulletin of the School of Forestry*.

ENCOURAGEMENT OF RESEARCH

The President of the University appoints annually a University Council on Research. The members of this Council are chosen from the Faculties of the Schools of Medicine and Law, the Divinity School, and the Graduate School of Arts and Sciences. In May of each year the Council on Research receives written applications from members of the Faculty for subsidies to be used in the following fiscal year to aid them in carrying out research projects. Stipends are granted for the employment of research assistants, for the purchase of books and for apparatus, supplies, and equipment. Each member of the Faculty to whom a research stipend is granted must make a written report within twelve months to the Council concerning the progress of the investigation for which the stipend was allowed.

SPECIAL LECTURES

During each academic year the University Lecture Committee arranges for a number of special lectures of value to graduate students interested in various fields of knowledge. The Woman's College Lecture Series brings other guests to the campus. In addition to these lectures, a number of distinguished speakers appear each year on the programs of various schools and departments of the University.

Among the guest lecturers in 1942-43 were Wendell L. Willkie; Robert Frost, dean of American poets; Herbert Fischer, author and foreign correspondent; and Herbert Thompson Strong, Color Consultant, New York Museum of Science and Industry.

THE UNIVERSITY PRESS

In 1897 Trinity College began sponsoring the publication of "The Papers of the Trinity College Historical Society," which was distributed to members of the Society and on exchange to other institutions. This series was the first publishing venture of the College. In 1902, the 9019, an honor scholastic society on the campus, sponsored the launching of *The South Atlantic Quarterly*, which is now published by the Press.

In 1921 the Trinity College Press was established to publish the results of research engaged in by the Faculty and such other works as were approved by a board of editors appointed for the purpose. In 1925, with the acceptance of the benefaction of James B. Duke, Trinity College became one of the undergraduate colleges of Duke University, and the

following year the University Press was organized to succeed the Trinity College Press.

One of the first steps of the new organization was to revive *The Hispanic American Historical Review*, which had been founded and published from 1918 to 1922 by a group of scholars interested in Hispanic America. Since 1926 its publication has been continued without interruption, and its mission has been supplemented by many studies dealing with the history, politics, and foreign relations of the Hispanic nations of the New World. In 1929 *American Literature* was begun with the co-operation of the American Literature Group of the Modern Language Association. This scholarly journal was followed in 1931 by *Ecological Monographs*, a quarterly sponsored by the Ecological Society of America to take care of papers too long for inclusion in *Ecology*. *Character and Personality*, an international quarterly appearing simultaneously in the United States and Great Britain, was founded in 1932 as a medium for the publication of studies in fields related to this phase of psychology. In 1935 the Press started the publication of the *Duke Mathematical Journal*, with the co-operation of the Mathematical Association of America, and in 1937 *The Journal of Parapsychology* for the publication of the results of research in psychoanalysis, mental telepathy, and allied studies. For the Southern Association of Colleges and Secondary Schools, the Press publishes *The Southern Association Quarterly*, the official organ of the Association. The Law School issues *Law and Contemporary Problems*, presenting a symposium of some important legal problem in each number.

Besides its books, monographs, and regular quarterly publications the Press issues "Contributions to Psychological Theory" and "Duke University Research Studies in Education," the latter sponsored by the Department of Education of the University.

Since its organization the Press has offered to the public the products of scholarly research to the number of more than one hundred and twenty-five volumes. It has not limited its scope to any one field or to any one group of authors. In addition to the many works submitted by members of the Faculty, a great number of manuscripts by authors without a connection with the University have been issued under the imprint of the Press.

In the broadest sense, the present policy of the Press is to give to the public any scholarly work which, because of the merit of its contents, its style, and its general value, deserves publication.

COURSES OF INSTRUCTION

This is a condensed description of courses. For a full description, see Bulletin of the Graduate School.

Certain undergraduate courses are open to graduate students with the approval of the department. See the Bulletin of Undergraduate Instruction.

DIVISION OF ANCIENT LANGUAGES AND LITERATURES

PROFESSOR BRANSCOMB, CHAIRMAN—101 LIBRARY; PROFESSORS PEPPLER AND ROGERS; ASSOCIATE PROFESSORS CLARK AND STINESPRING; ASSISTANT PROFESSORS GATES AND WAY; DRs. ROSE AND TRUESDALE

GREEK

FOR SENIORS AND GRADUATES

- | | |
|---|---|
| 201-202. Greek Tragedy.—6 s.h. | PROFESSOR PEPPLER |
| 203-204. Homer.— <i>Odyssey</i> . Pindar and Bacchylides. 6 s.h. | ASSISTANT PROFESSOR WAY AND DR. TRUESDALE |
| 205-206. Greek Historians.—6 s.h. | PROFESSOR PEPPLER |
| 207-208. Greek Orators.—6 s.h. | ASSISTANT PROFESSOR WAY |
| 209-210. Plato.— <i>Symposium</i> , <i>Protagoras</i> , and parts of the <i>Republic</i> . 6 s.h. | ASSISTANT PROFESSOR WAY |
| 211-212. Aristophanes.—6 s.h. | PROFESSOR PEPPLER |
| (Only one of the six courses listed above is offered each year.) | |
| 243. Athenian Topography.—3 s.h. | ASSISTANT PROFESSOR WAY |
| 244. Greek Epigraphy.—3 s.h. | ASSISTANT PROFESSOR WAY |
| 245. Greek Dialects.—3 s.h. | ASSISTANT PROFESSOR WAY |
| 246. Greek Historical Inscriptions.—3 s.h. | ASSISTANT PROFESSOR WAY |
| 247-248. Greek Archaeology.—6 s.h. | ASSISTANT PROFESSOR WAY |
| (Of the courses numbered from 243 to 248, only two semester-courses are offered each year.) | |
| 257. Social and Cultural History of the Hellenistic World from Alexander to Augustus.—3 s.h. | DR. TRUESDALE |
| [Not offered in 1943-44] | |

FOR GRADUATES

The more advanced work of the graduate department is done in the seminar. One author or group of authors forms the center of study each year. Seminars are offered in Aristophanes (301-302), The Greek Historians (303-304), The Attic Orators (305-306), and The Greek Tragic Poets (307-308). These run through a cycle of four years. In 1943-44 the work will be:

307-308. Seminar in the Greek Tragic Poets.—6 s.h.

PROFESSOR PEPPLER AND DR. ROSE

Graduate students of Duke University may attend the American School of Classical Studies in Athens, Greece, without charge for tuition, and they are eligible to compete for the fellowships that are offered annually by the School. These consist of two fellowships in Greek archaeology, and one in the language, literature, and history of ancient Greece, each with a stipend of \$1,300. They are awarded mainly on the basis of examinations held in the beginning of February of each year.

LATIN AND ROMAN STUDIES**FOR SENIORS AND GRADUATES****201. Roman Fiction.****202. Latin Christian Writers.**

203-204. Roman Epic: Ennius, Vergil, Manilius, Lucan, Flaccus, Statius, Silius.—*Not offered if 205-206 is given.* 6 s.h. ASSISTANT PROFESSOR GATES

205-206. Roman Drama: Plautus, Terence, Seneca.—6 s.h.

ASSISTANT PROFESSOR GATES

207-208. Roman Philosophy.**209-210. Vulgar Latin: Introduction to Romance Philology.****211-212. Roman Oratory.—6 s.h.**

PROFESSOR ROGERS

215. Introduction to Roman Art and Archaeology.**216. Topography and Monuments of Ancient Rome.****251-252. Roman Life.****258. Social and Cultural History of the Graeco-Roman World.—3 s.h.**

[Not offered in 1943-44]

PROFESSOR ROGERS

281-282. Roman Historical Literature.**283-284. Roman Law.—6 s.h.**

PROFESSOR ROGERS

FOR GRADUATES**309-310. Sight Reading and Composition.—6 s.h.**

DR. ROSE

311-312. Latin Epigraphy.—6 s.h.

PROFESSOR ROGERS

Seminars: Various authors or historical periods are selected from year to year as a basis for training in criticism and research. Seminars are offered in the following: Catullus (301-302), Roman Historians (331-332), Roman Provincial Administration (341-342), The Reign of Tiberius (343-344), Martial (351-352), Horace (361-362), Lucretius (371-372), and Cicero's Public Career (391-392). The seminar planned for 1943-44 is:

341-343. Roman Provincial Administration.—6 s.h.

PROFESSOR ROGERS

LINGUISTICS**FOR GRADUATES****375-376. Greek and Latin Linguistics.—6 s.h.**

DR. ROSE

385-386. Elementary Sanskrit.—6 s.h.

DR. ROSE

SEMITICS

FOR SENIORS AND GRADUATES

- 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
 205-206. Elementary Arabic.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
 [Not offered in 1943-44]
 207-208. Second Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING

FOR GRADUATES

304. Aramaic.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
 305. Third Hebrew.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
 309. History of the Ancient Near East.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
 316. Judaism at the Beginning of the Christian Era.—3 s.h. PROFESSOR BRANSCOMB

RELATED COURSES IN OTHER DEPARTMENTS

- Philosophy 217. Philosophy of Aristotle.—3 s.h. DR. McLARTY
 [Not offered in 1943-44]
 Religion 218. Galatians and I Corinthians.—3 s.h. PROFESSOR BRANSCOMB
 Religion 315. Hellenistic Religions at the Beginning of the Christian Era.—3 s.h. ASSOCIATE PROFESSOR CLARK
 Religion 318. Text of New Testament.—3 s.h. ASSOCIATE PROFESSOR CLARK

BOTANY

PROFESSOR BLOMQUIST, CHAIRMAN—203 BIOLOGY BUILDING; PROFESSOR WOLF
 DIRECTOR OF GRADUATE STUDIES—315 BIOLOGY BUILDING; ASSOCIATE
 PROFESSORS ADDOMS, HARRAR, AND KRAMER; ASSISTANT
 PROFESSORS ANDERSON, OOSTING, AND PERRY

FOR SENIORS AND GRADUATES

202. Genetics.—Prerequisites: one year of botany, zoology, or equivalent, and college algebra. 4 s.h. ASSISTANT PROFESSOR PERRY
 203. Plant Cytology.—Prerequisite: one year of botany. 4 s.h. ASSISTANT PROFESSOR ANDERSON
 [Not offered in 1943-44]
 204. Advanced Plant Anatomy.—Prerequisite: Botany 55 or equivalent. 4 s.h. ASSOCIATE PROFESSOR ADDOMS
 216. Botanical Microtechnique.—Prerequisite: two semesters of botany. 4 s.h. ASSISTANT PROFESSOR ANDERSON
 221. Structure and Classification of Fungi.—Prerequisite: two semesters of botany. 4 s.h. PROFESSOR WOLF
 225-226. Special Problems.—Credits to be arranged.
 (a) Bacteriology, Mycology, and Plant Pathology. PROFESSOR WOLF
 (b) Cytology. ASSISTANT PROFESSOR ANDERSON

- (c) Ecology. ASSISTANT PROFESSOR OOSTING
 (d) Genetics. ASSISTANT PROFESSOR PERRY
 (e) Morphology and Anatomy of Higher Plants.
 ASSOCIATE PROFESSORS ADDOMS AND HARRAR,
 ASSISTANT PROFESSOR OOSTING

- (f) Morphology and Taxonomy of Lower Groups.
 PROFESSOR BLOMQUIST AND ASSISTANT PROFESSOR ANDERSON

- (g) Physiology. ASSOCIATE PROFESSORS ADDOMS AND KRAMER

- (h) Plant Microchemistry. ASSOCIATE PROFESSOR ADDOMS

- (i) Taxonomy of Higher Groups. PROFESSOR BLOMQUIST

252. Advanced Plant Physiology.—Prerequisite: Botany 151 or equivalent;
 organic chemistry recommended. 4 s.h. ASSOCIATE PROFESSOR KRAMER

255. Advanced Taxonomy.—Prerequisite: two years of botany, including
 Botany 52 or equivalent. 4 s.h. PROFESSOR BLOMQUIST

256. Field Ecology.—Prerequisites: Botany 1, 2 and 52, or equivalent.
 4 s.h. ASSISTANT PROFESSOR OOSTING

FOR GRADUATES

305. Plant Geography. Prerequisite: Botany 156 or equivalent. 4 s.h.
 [Not offered in 1943-44] ASSISTANT PROFESSOR OOSTING

310. Structure and Classification of Bryophytes and Pteridophytes.—Pre-
 requisite: two years of botany. 4 s.h. PROFESSOR BLOMQUIST

311. Structure and Classification of Algae.—Prerequisite: two years of
 botany. 4 s.h. PROFESSOR BLOMQUIST

341. Methods in Plant Physiology.—4 s.h. ASSOCIATE PROFESSOR KRAMER
 [Not offered in 1943-44]

342. Plant Microchemistry.—2 s.h. ASSOCIATE PROFESSOR ADDOMS

359-360. Research in Botany.—Credits to be arranged. STAFF

397-398. General Botanical Seminar.—2 s.h. STAFF

FOREST BOTANY

FOR SENIORS AND GRADUATES

224. Forest Pathology.—Prerequisites: Botany 1, 2. 3 or 4 s.h.
 PROFESSOR WOLF

253. Dendrology.—Prerequisite: one year of botany. 3 s.h.
 PROFESSOR BEAL

RELATED COURSES IN OTHER DEPARTMENTS

These related courses may be counted toward a major in botany.

Zoology 341. Historical and Philosophical Zoology.—2 s.h.
 [Not offered in 1943-44] PROFESSOR HARGITT

Forestry 257. Design of Forestry Experiments and Analysis of Data.—
 5 s.h. PROFESSOR SCHUMACHER

CHEMISTRY

PROFESSOR GROSS, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—219 CHEMISTRY BUILDING; PROFESSORS BIGELOW, LONDON, VOSBURGH, AND WILSON;
ASSOCIATE PROFESSORS HAUSER AND SAYLOR; ASSISTANT
PROFESSORS BROWN, HILL, AND HOBBS; DR. BRADSHER

FOR SENIORS AND GRADUATES

215-216. **Advanced Inorganic Chemistry.**—Prerequisites: Chemistry 70 and 151-152. Chemistry 261-262, Physics 59-60 or 213-214, and ability to read German are desirable. 6 s.h.

PROFESSOR VOSBURGH AND ASSISTANT PROFESSOR HILL

Chemistry 233-234. **Instrumental Analysis.**—Prerequisites: Chemistry 70 and 261-262. 2 s.h. PROFESSOR VOSBURGH AND ASSOCIATE PROFESSOR SAYLOR

Chemistry 236. **Theory of Analytical Chemistry.**—Prerequisites: Chemistry 70 and 261-262. 1 s.h. PROFESSOR VOSBURGH

241. **Physiological Chemistry.**—Prerequisites: Chemistry 70 and 151-152. Course 261-262 is desirable though not required. 4 s.h. PROFESSOR WILSON

242. **Metabolism.**—Two lectures, credit 2 s.h., and 6 laboratory hours. credit 2 s.h. 4 s.h. PROFESSOR WILSON

253-254. **Advanced Organic Chemistry.**—Prerequisites: Chemistry 151-152 or equivalent and a reading knowledge of German. 6 or 8 s.h.

PROFESSOR BIGELOW, ASSOCIATE PROFESSOR HAUSER, AND
ASSISTANT PROFESSOR BROWN

261-262. **Physical Chemistry.**—Prerequisites: Chemistry 70, 151-152, Physics 1-2 or equivalent, and Mathematics 8 or 51-52 are required except by special permission of the Department. 6 s.h.

PROFESSOR GROSS, ASSOCIATE PROFESSOR SAYLOR,
AND ASSISTANT PROFESSOR HOBBS

265-266. **Chemical Physics. Statistical Theory, Principles and Applications.**—8 s.h. PROFESSOR LONDON

267-268. **Chemical Physics. Theoretical Aspects of Atomic and Molecular Structure.**—8 s.h. PROFESSOR LONDON

271. **Introduction to Research.**—1 s.h.

PROFESSORS BIGELOW, GROSS, AND VOSBURGH

273-274. **Seminar.**—2 s.h.

PROFESSORS BIGELOW, GROSS, AND VOSBURGH; ASSOCIATE PROFESSORS
HAUSER AND SAYLOR; ASSISTANT PROFESSORS BROWN, HILL,
AND HOBBS; AND DR. BRADSHER

275-276. **Research.**—3 or 6 s.h.

PROFESSORS BIGELOW, GROSS, LONDON, AND VOSBURGH; ASSOCIATE
PROFESSORS HAUSER AND SAYLOR; ASSISTANT PROFESSORS BROWN,
HILL, AND HOBBS; AND DR. BRADSHER

FOR GRADUATES

303. **Thermodynamics.**—3 s.h.

PROFESSORS GROSS AND SPONER

304. **Chemical Thermodynamics.**—3 s.h.

PROFESSORS GROSS AND VOSBURGH, AND ASSOCIATE PROFESSOR SAYLOR

351-352. **Advanced Synthetic Organic Chemistry.**—2 s.h.

PROFESSOR BIGELOW AND ASSOCIATE PROFESSOR HAUSER

363-364. **Advanced Physical Chemistry.**—Prerequisites: Chemistry 261-262 or its equivalent and calculus. 6 s.h.

PROFESSORS GROSS AND VOSBURGH; ASSOCIATE PROFESSOR SAYLOR;
ASSISTANT PROFESSORS HILL AND HOBBS

RELATED COURSES IN OTHER DEPARTMENTS

BIOCHEMISTRY

M241. **General Biochemistry.**—Prerequisites: general chemistry, organic chemistry, elementary physical and analytical chemistry, and at least one year of college biology. May-Aug., 1944. 6 s.h.

DRS. PERLZWEIG AND TAYLOR, AND STAFF

M242. **Biochemical Preparations.** Prerequisite: Biochemistry M241. 2 s.h.

DR. TAYLOR AND STAFF

M243-244. **Physical Chemical and Colloid Chemical Principles of Biochemistry.**

DR. NEURATH

M341. **Pathological Chemistry.** Prerequisites: Biochemistry M241 and Physiology M201-2.

DRS. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

M343. **Immunochemistry.**—2 s.h.

DRS. MARTIN AND NEURATH

M345. **Biological Oxidations.**—2 s.h.

DR. COOLIDGE AND STAFF

M363-364. **Advanced Seminar in Nutrition.**—Prerequisites: Biochemistry M241 and Physiology M261 or equivalents. 4 s.h.

DR. DANN

ECONOMICS

PROFESSOR HOOVER, CHAIRMAN—103 ADMINISTRATION BUILDING; PROFESSOR HAMILTON, DIRECTOR OF GRADUATE STUDIES—503 LIBRARY; PROFESSORS DE VYVER, SPENGLER, AND VON BECKERATH; ASSOCIATE PROFESSORS BLACK, LESTER, AND RATCHFORD; ASSISTANT PROFESSORS SPRINGER AND WELFLING

FOR SENIORS AND GRADUATES

217. **Population Problems and Resources.**—3 s.h. PROFESSOR SPENGLER

218. **Business Cycles.**—3 s.h. ASSOCIATE PROFESSOR LESTER

230. **Public Debts in the United States.**—3 s.h.
ASSOCIATE PROFESSOR RATCHFORD

231. **The Economic History of Modern Europe.**—3 s.h.
PROFESSOR HAMILTON

232. **The Economic History of the United States.**—3 s.h.
PROFESSOR HAMILTON

233. **State and Local Finance.**—3 s.h. ASSOCIATE PROFESSOR RATCHFORD

234. **Federal Finance.**—3 s.h. ASSOCIATE PROFESSOR RATCHFORD

237-238. **Statistical Methods.**—Prerequisite: Economics 138 or consent of the instructor. 6 s.h. ASSISTANT PROFESSOR SPRINGER

239. **Prices.**—3 s.h. PROFESSOR HAMILTON

241-242. **Value and Distribution.**—6 s.h. PROFESSOR SPENGLER

245. Problems of Modern Industrialism.—3 s.h.

PROFESSOR VON BECKERATH

253. Labor Problems.—3 s.h.

PROFESSOR DE VYVER

256. Labor Legislation.—3 s.h.

PROFESSOR DE VYVER

[Not offered in 1943-44]

260. Social Insurance.—3 s.h.

PROFESSOR DE VYVER

265. International Trade and Tariff Policies.—3 s.h.

PROFESSOR VON BECKERATH

266. International Finance.—3 s.h.

PROFESSOR HAMILTON

[Not offered in 1943-44]

268. Competitive versus Monopolistic Enterprise.—3 s.h.

PROFESSOR VON BECKERATH

270. Economics of War.—3 s.h.

PROFESSORS HAMILTON AND VON BECKERATH

275-276. Advanced Industrial Accounting and Management.—6 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR BLACK

FOR GRADUATES

311-312. History of Political Economy.—6 s.h.

PROFESSOR HAMILTON

313-314. Seminar in Economic Theory.—Prerequisite: Economics 241-242 or its equivalent. 6 s.h.

PROFESSOR HOOVER

315. Economic Systems.—Credit for this course will be given only if the student takes Economics 316. 3 s.h.

PROFESSOR HOOVER

316. Economic Functions of the State.—Prerequisite: Economics 315 or its equivalent. 3 s.h.

PROFESSOR HOOVER

318. General Seminar in Economics.—No credit.

STAFF

RELATED COURSES IN OTHER DEPARTMENTS

Attention is called to the following courses in related departments:

Forestry 279. Economics of Forestry.—3 s.h.

PROFESSOR WACKERMAN

History 219-220. The History of the European Proletariat.—6 s.h.

[Not offered in 1943-44]

PROFESSOR CARROLL

Political Science 207. American Constitutional Law and Theory.—3 s.h.

PROFESSOR WILSON

EDUCATION

PROFESSOR HOLTON, CHAIRMAN—104 PAGE AUDITORIUM; PROFESSOR BROWNELL, DIRECTOR OF GRADUATE STUDIES—1C WEST DUKE BUILDING; PROFESSORS CARR, CHILDS, AND PROCTOR; ASSOCIATE PROFESSOR SCATES; ASSISTANT PROFESSORS EASLEY AND VAN ALSTYNE

ELEMENTARY EDUCATION

FOR SENIORS AND GRADUATES

207. Technique of Teaching.—3 s.h.

[Not offered in 1943-44]

PROFESSOR CARR

212. Psychology of the Elementary School Subjects.—3 s.h.
PROFESSOR CARR

222. The Curriculum and Materials of the Elementary Grades.—3 s.h.
[Not offered in 1943-44] PROFESSOR CARR

232. Elementary School Supervision.—3 s.h.
[Not offered in 1943-44] PROFESSOR CARR

FOR GRADUATES

305. The Nature, Function, and Reorganization of the Curriculum.—3 s.h.
[Not offered in 1943-44] PROFESSOR CARR

EXPERIMENTAL EDUCATION AND EDUCATIONAL PSYCHOLOGY

FOR SENIORS AND GRADUATES

208A. Mental Tests and Applications.—Prerequisite: course 258 or six semester hours of other work in educational psychology or psychology.
3 s.h. ASSISTANT PROFESSOR VAN ALSTYNE

208B. Practicum.—2 s.h. ASSISTANT PROFESSOR VAN ALSTYNE

209. Statistical Methods Applied to Education.—2 s.h.
ASSOCIATE PROFESSOR SCATES

216. Psychological Principles of Secondary Education.—3 s.h.
[Not offered in 1943-44] PROFESSOR CHILDS

217. Advanced Educational Psychology.—3 s.h. PROFESSOR BROWNELL

218. Educational Implications of Genetic Psychology.—Prerequisite: six semester hours of psychology or educational psychology. 3 s.h.
PROFESSOR BROWNELL

219. Experimental Education.—3 s.h.
[Not offered in 1943-44] PROFESSOR BROWNELL

227. The Psychology of Learning: Problems.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR EASLEY

228. The Psychology of Learning: Theoretical and Experimental.—Prerequisite: course 227 or its equivalent. 3 s.h. ASSISTANT PROFESSOR EASLEY
[Not offered in 1943-44]

237. Investigations in Reading.—3 s.h. PROFESSOR CARR

247. Investigations in Arithmetic.—3 s.h. PROFESSOR BROWNELL

258. Educational Measurements.—Prerequisite: twelve semester hours in the Department, including a course in educational psychology. 3 s.h.
ASSOCIATE PROFESSOR SCATES

FOR GRADUATES

307-308. Seminar in Educational Psychology.—4 s.h.
[Not offered in 1943-44] PROFESSOR BROWNELL

309-310. Research in Educational Psychology.—3 to 6 s.h.
PROFESSOR BROWNELL

320. Advanced Educational Statistics.—3 s.h.
ASSOCIATE PROFESSOR SCATES

338. Research in Reading.—3 s.h.
[Not offered in 1943-44]

PROFESSOR CARR

339. Research Course in Educational Tests.—Prerequisite: the equivalent of course 258. 3 s.h.

ASSOCIATE PROFESSOR SCATES

348. Research in Arithmetic.—3 s.h.
[Not offered in 1943-44]

PROFESSOR BROWNELL

HISTORY AND PHILOSOPHY OF EDUCATION

FOR SENIORS AND GRADUATES

200. Introduction to the Philosophy of Education.—3 s.h.

PROFESSOR HOLTON

214. History of Education in the United States.—3 s.h.
[Not offered in 1943-44]

PROFESSOR HOLTON

244. Studies in the Historical Development of Public School Administration.—3 s.h.
[Not offered in 1943-44]

PROFESSOR HOLTON

254. History of Secondary Education in the United States.—3 s.h.
[Not offered in 1943-44]

PROFESSOR PROCTOR

264. Recent Movements in American Education.—3 s.h.
[Not offered in 1943-44]

PROFESSOR HOLTON

294. Comparative Education: Recent Movements in European Educational Systems.—3 s.h.

PROFESSOR CARR

PUBLIC SCHOOL ADMINISTRATION

FOR SENIORS AND GRADUATES

203. Principles of School Administration.—Prerequisite: Education 103 and 58, or six semester hours of equivalent work in education. 3 s.h.

PROFESSOR PROCTOR

213. Problems in the Organization and Administration of the Elementary School.—3 s.h.
[Not offered in 1943-44]

PROFESSOR PROCTOR

233. Administrative Pupil-Accounting.—3 s.h.

PROFESSOR PROCTOR

234. Secondary School Organization and Administration.—3 s.h.

PROFESSOR PROCTOR

253. Legal Phases of School Administration.—3 s.h.
[Not offered in 1943-44]

PROFESSOR HOLTON

FOR GRADUATES

323. Public School Finance.—3 s.h.

PROFESSOR PROCTOR

343. State and County School Administration.—3 s.h.
[Not offered in 1943-44]

PROFESSOR PROCTOR

363. City School Administration.—3 s.h.
[Not offered in 1943-44]

PROFESSOR PROCTOR

SECONDARY EDUCATION AND EDUCATIONAL SOCIOLOGY

FOR SENIORS AND GRADUATES

205. Curriculum Problems in Secondary Education.—3 s.h.
[Not offered in 1943-44] PROFESSOR CHILDS
206. Sociological Foundations of the Secondary School Subjects.—Pre-requisite: six semester hours in education, including course 105. 3 s.h.
PROFESSOR CHILDS
215. Educational and Vocational Guidance.—Prerequisite: twelve semester hours in the Department, including course 105 or course 206. 3 s.h.
PROFESSOR CHILDS
225. The Teaching of History and the Social Studies.—3 s.h.
ASSOCIATE PROFESSOR MANCHESTER
246. The Teaching of Mathematics.—3 s.h.
[Not offered unless justified by enrollment] PROFESSOR RANKIN
266. The Teaching of High-School French.—3 s.h. PROFESSOR WEBB

METHODOLOGY OF RESEARCH

FOR GRADUATES

300. Methods of Educational Research: Seminar.—3 s.h.
MEMBERS OF THE DEPARTMENT

RELATED COURSES IN OTHER DEPARTMENTS

FOR MAJORS IN EDUCATIONAL PSYCHOLOGY, ELEMENTARY EDUCATION,
AND SECONDARY EDUCATION

- Psychology 206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
- Psychology 209. Experimental Methods in Human Psychology.—4 s.h.
ASSOCIATE PROFESSOR ZENER
- Psychology 212. Physiological Psychology.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR KEMP
- Psychology 215. Developmental Psychology.—3 s.h.
ASSOCIATE PROFESSOR ADAMS
- Psychology 226. Contemporary Schools of Psychology.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ZENER
- Psychology 306. Seminar in Child Psychology.—2 or 3 s.h.
ASSOCIATE PROFESSOR ADAMS
- Psychology 309. Theory of Learning.—3 s.h. ASSOCIATE PROFESSOR ADAMS
- Sociology 212. Child Welfare.—3 s.h.
[Offered in summer session, 1943] PROFESSOR JENSEN
- Sociology 213. Constructive Social Policies.—2 s.h.
[Not offered in 1943-44] PROFESSOR JENSEN
- Sociology 319. Principles of Sociology.—3 s.h.
[Not offered in 1943-44] PROFESSOR JENSEN
- Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR JENSEN

FOR MAJORS IN PUBLIC SCHOOL ADMINISTRATION

Economics 230. Public Debts in the United States.—3 s.h.

ASSOCIATE PROFESSOR RATCHFORD

Political Science 209. State and Local Government in the United States.—3 s.h.
PROFESSOR RANKIN**Political Science 291. Municipal Government.—3 s.h.** PROFESSOR RANKIN**Sociology 213. Constructive Social Policies.—2 s.h.** PROFESSOR JENSEN
[Not offered in 1943-44]

FOR MAJORS IN HISTORY AND PHILOSOPHY OF EDUCATION

History 209-210. Constitutional History of the United States, 1763-1860.—6 s.h.
ASSISTANT PROFESSOR STILL
[Not offered in 1943-44]**Philosophy 205. The Philosophy of History.—3 s.h.** PROFESSOR WIDGERY
[Not offered in 1943-44]**Philosophy 208. Political Philosophy.—3 s.h.**
ASSOCIATE PROFESSOR MORGAN
[Not offered in 1943-44]**Philosophy 223. Contemporary Philosophy.—3 s.h.** PROFESSOR WIDGERY**Religion 291. Christian Ethics I.—3 s.h.** PROFESSOR SMITH**Religion 292. Christian Ethics II.—3 s.h.** PROFESSOR SMITH**Religion 393. Religious Thought in Colonial America.—3 s.h.**
PROFESSOR SMITH**Religion 394. Religious Thought in Modern America.—3 s.h.**
PROFESSOR SMITH**Sociology 319. Principles of Sociology.—3 s.h.** PROFESSOR JENSEN
[Not offered in 1943-44]**Sociology 320. History of Social Philosophy.—3 s.h.** PROFESSOR JENSEN**ENGLISH**PROFESSOR WHITE, CHAIRMAN—WEST DUKE BUILDING; PROFESSOR HUBBELL, DIRECTOR OF GRADUATE STUDIES—105 EAST DUKE BUILDING; PROFESSORS BAUM, GILBERT, GOHDES AND IRVING; ASSOCIATE PROFESSOR WARD;
ASSISTANT PROFESSOR TALBERT

FOR SENIORS AND GRADUATES

201-202. Anglo-Saxon.—6 s.h.
[Not offered in 1943-44]**203-204. Chaucer.—6 s.h.** PROFESSOR BAUM**207-208. English Literature, 1400-1550.—6 s.h.** PROFESSOR BAUM
[Not offered in 1943-44]**209-210. English Literature Other than Drama, 1625-1700.—6 s.h.**
ASSOCIATE PROFESSOR WARD**211-212. English Literature Other than Drama, 1550-1625.—6 s.h.**
PROFESSOR GILBERT

- 213-214. Folklore and Folk Songs.—6 s.h.
[Not offered in 1943-44]
- 215-216. Elizabethan Drama.—6 s.h.
[Not offered in 1943-44]
217. Spenser.—3 s.h. PROFESSOR GILBERT
218. Milton.—3 s.h. PROFESSOR GILBERT
- 219-220. English Literature of the Eighteenth Century.—6 s.h.
PROFESSOR IRVING
- 227-228. Literary Criticism.—6 s.h. PROFESSOR GILBERT
- 229-230. American Literature, 1800-1870.—6 s.h. PROFESSOR HUBBELL
231. Special Studies in Emerson.—3 s.h.
[Not offered in 1943-44] PROFESSOR GOHDES
- 233-234. American Literature since 1870.—6 s.h. PROFESSOR GOHDES
- 239-240. Shakespeare Problems.—6 s.h.
[Not offered in 1943-44]
- 269-270. Southern Literature and Culture.—6 s.h. PROFESSOR HUBBELL
[Not offered in 1943-44]

FOR GRADUATES

- 303-304. Studies in Elizabethan Literature.—6 s.h. PROFESSOR GILBERT
[Not offered in 1943-44]
- 307-308. Southern Literature and Culture in the United States.—6 s.h.
[Not offered in 1943-44] PROFESSOR HUBBELL
- 313-314. Studies in the Romantic Writers of the Early Nineteenth Century.—6 s.h. PROFESSOR WHITE
- 315-316. Middle English.—3 s.h. (1½ s.h. each term). PROFESSOR BAUM
[Not offered in 1943-44]
- 317-318. Studies in Victorian Literature.—6 s.h. PROFESSOR BAUM
- 349-350. Research Courses.—6 s.h.

All candidates for degrees are required to have credit for one of these courses or the equivalent; students who wish to elect one of these as a seminar course should consult the Director of Graduate Studies as early as possible. In 1943-44 at least two of these seminars will be offered.

- (a) Folklore and the Ballad.
- (b) Shakespeare Problems.
- (c) English Language and Literature, 1200-1550. PROFESSOR BAUM
- (d) Victorian Literature. PROFESSOR BAUM
- (e) Elizabethan and Seventeenth-Century Literature. PROFESSOR GILBERT
- (f) Literary Criticism. PROFESSOR GILBERT
- (g) The Eighteenth Century. PROFESSOR IRVING
- (h) The Romantic Movement. PROFESSOR WHITE
- (i) American Literature. PROFESSORS GOHDES AND HUBBELL

RELATED COURSES IN OTHER DEPARTMENTS

The attention of students of English is directed to the following courses:

- German 301-302. Gothic—Middle High German.—6 s.h. PROFESSOR VOLLMER
- Greek 201-202. Greek Tragedy.—6 s.h. PROFESSOR PEPPLER
- History 221-222. The Age of the Renaissance.—6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR NELSON
- History 223-224. Medieval Institutions and Culture.—6 s.h.
ASSISTANT PROFESSOR QUYNNE
- Philosophy 201-202. The Philosophy of Art.—6 s.h. PROFESSOR GILBERT
[Not offered in 1943-44]
- Philosophy 213-214. History of Aesthetics.—6 s.h. PROFESSOR GILBERT
- Psychology 202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM

FORESTRY

PROFESSOR KORSTIAN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—FEW
QUADRANGLE, HOUSE GG-010; PROFESSORS BEAL, SCHUMACHER, WACKERMAN,
AND WOLF; ASSOCIATE PROFESSORS COILE, HARRAR, KRAMER, MAUGHAN,
AND THOMSON

FOR SENIORS AND GRADUATES

224. Forest Pathology.—Prerequisites: Botany 1 and 2, and Forestry 253,
or equivalents. 4 s.h. PROFESSOR WOLF
231. Forest Entomology.—3 s.h. PROFESSOR BEAL
251. Sampling Methods in Forestry.—Prerequisite: Forestry S151. 2 s.h.
PROFESSOR SCHUMACHER
252. Forest Mensuration.—Prerequisite: Forestry 251. 2 s.h.
PROFESSOR SCHUMACHER
253. Dendrology.—Prerequisite: one year of botany. 3 s.h.
PROFESSOR BEAL
257. Design of Forestry Experiments and Analysis of Data.—5 s.h.
PROFESSOR SCHUMACHER
259. Wood Anatomy and Properties.—Prerequisites: one year of botany
and Chemistry 1 and 2, or equivalents. 3 s.h. ASSOCIATE PROFESSOR HARRAR
[Not offered in 1943-44]
261. Forest Soils.—Prerequisites: Chemistry 1 and 2, and Physics 1, or
equivalents; physical geology and analytical chemistry are also desirable.
3 s.h. ASSOCIATE PROFESSOR COILE
[Not offered in 1943-44]
264. Silvics.—Desirable prerequisites: plant physiology, plant ecology,
and Forestry 253 and 261, or equivalents. 3 s.h. PROFESSOR KORSTIAN
276. Forest Policy.—2 s.h. ASSOCIATE PROFESSOR THOMSON
[Not offered in 1943-44]

279. Economics of Forestry.—Prerequisite: at least one course in the principles of economics. 3 s.h. PROFESSOR WACKERMAN

FOR GRADUATES

323-324. Advanced Forest Pathology.—Prerequisites: plant physiology and forest pathology. Credits to be arranged. PROFESSOR WOLF

351-352. Advanced Physiology of Forest Trees.—Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged.

ASSOCIATE PROFESSOR KRAMER

354. Forest Soil Fertility.—Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. 3 s.h. ASSOCIATE PROFESSOR COILE

[Not offered in 1943-44]

356. Economic Forces in Forestry.—Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. 2 s.h.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR THOMSON

357-358. Research in Forestry.—Credits to be arranged.

a. Silvics.—Prerequisites: Forestry 253, 261, and 264, or equivalents.

PROFESSOR KORSTIAN

b. Forest Soils.—Prerequisite: Forestry 261 or equivalent.

[Not offered in 1943-44]

ASSOCIATE PROFESSOR COILE

d. Forest Management.—Prerequisite: Forestry 281 or equivalent.

ASSOCIATE PROFESSOR MAUGHAN

e. Forest Economics.—Prerequisite: Forestry 279 or equivalent.

PROFESSOR WACKERMAN

f. Wood Anatomy and Properties.—Prerequisites: Forestry 259 and 260, or equivalents. ASSOCIATE PROFESSOR HARRAR

[Not offered in 1943-44]

g. Forest Mensuration.—Prerequisites: Forestry S151, 251, and 252, or equivalents. PROFESSOR SCHUMACHER

h. Forest Entomology.—Prerequisite: Forestry 231 or equivalent.

PROFESSOR BEAL

GERMANIC LANGUAGES AND LITERATURE

PROFESSOR VOLLMER, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—205 PAGE AUDITORIUM; PROFESSOR KRUMMEL

FOR SENIORS AND GRADUATES

201-202. Goethe.—6 s.h.

PROFESSOR KRUMMEL

207-208. German Romanticism.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1943-44]

209-210. Kleist, Grillparzer, and Hebbel.—6 s.h.

PROFESSOR KRUMMEL

[Not offered in 1943-44]

211-212. Heinrich Heine.—6 s.h.

PROFESSOR VOLLMER

213-214. Literature of the Empire, 1871-1914.—6 s.h.

PROFESSOR VOLLMER

[Not offered in 1943-44]

FOR GRADUATES

- 301-302. Gothic—Middle High German.—6 s.h. PROFESSOR VOLLMER
 303-304. German Seminar.—Credit to be arranged.
 PROFESSORS VOLLMER AND KRUMMEL

RELATED COURSES IN OTHER DEPARTMENTS

- History 217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL
 [Not offered in 1943-44]
 History 221-222. The Age of the Renaissance.—6 s.h.
 [Not offered in 1943-44] ASSOCIATE PROFESSOR NELSON
 History 223-224. Medieval Institutions and Culture.—6 s.h.
 ASSISTANT PROFESSOR QUINN
 History 225-226. The Age of the Reformation.—6 s.h.
 [Not offered in 1943-44] ASSOCIATE PROFESSOR NELSON
 Philosophy 201-202. The Philosophy of Art.—6 s.h. PROFESSOR GILBERT
 [Not offered in 1943-44]
 Philosophy 213-214. History of Aesthetics.—6 s.h. PROFESSOR GILBERT
 Philosophy 223. Contemporary Philosophy.—3 s.h. PROFESSOR WIDGERY
 Philosophy 244. Nietzsche and the Nineteenth Century.—3 s.h.
 ASSOCIATE PROFESSOR MORGAN
 Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR JENSEN

HISTORY

PROFESSOR LAPRADE, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—2B WEST
 DUKE BUILDING; PROFESSORS CARROLL, CLYDE, LANNING, AND SYDNOR;
 ASSOCIATE PROFESSORS MANCHESTER AND NELSON; ASSISTANT
 PROFESSORS QUINN, STILL, AND WOODY

AMERICAN HISTORY

FOR SENIORS AND GRADUATES

- 209-210. Constitutional History of the United States, 1763-1860.—Pre-
 requisites: courses 91 and 92. 6 s.h. ASSISTANT PROFESSOR STILL
 [Not offered in 1943-44]
 215-216. Foreign Policy and Diplomacy of the United States.—6 s.h.
 [Not offered in 1943-44] PROFESSOR CLYDE
 230. The Portuguese Empire and the Rise of Brazil.—3 s.h.
 ASSOCIATE PROFESSOR MANCHESTER
 231. The Hispanic Colonies of the New World.—3 s.h.
 [Not offered in 1943-44] PROFESSOR LANNING
 232. The Hispanic American Republics of the New World.—3 s.h.
 [Not offered in 1943-44] PROFESSOR LANNING
 233. The Cultural and Institutional History of Colonial Hispanic Amer-
 ica.—3 s.h. PROFESSOR LANNING
 234. Political and Social Problems in the Hispanic American Republics.—
 3 s.h. PROFESSOR LANNING

263-264. American Colonial History and the Revolution, 1606-1783.—6 s.h.
ASSISTANT PROFESSOR WOODY

265-266. The Westward Movement in the United States.—6 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR STILL

FOR GRADUATES

304. The Union, Confederacy, and Reconstruction.—4 s.h.
ASSISTANT PROFESSOR WOODY

315. Seminar in Southern History.—2 s.h. PROFESSOR SYDNOR

321. Seminar in the History of Spain and the Spanish-American Colonies.
—2 s.h. PROFESSOR LANNING

336. The South in Federal Politics, 1789-1860.—4 s.h. PROFESSOR SYDNOR

337. Social and Economic Life of the Old South.—4 s.h.
[Not offered in 1943-44] PROFESSOR SYDNOR

EUROPE AND THE FAR EAST

FOR SENIORS AND GRADUATES

217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL
[Not offered in 1943-44]

219-220. The History of the European Proletariat.—6 s.h.
[Not offered in 1943-44] PROFESSOR CARROLL

221-222. The Age of the Renaissance.—6 s.h. ASSOCIATE PROFESSOR NELSON
[Not offered in 1943-44]

223-224. Medieval Institutions and Culture.—6 s.h.
ASSISTANT PROFESSOR QUINN

225-226. The Age of the Reformation.—6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR NELSON

241-242. The Foreign Relations and Diplomacy of the United States in
the Pacific and the Far East.—6 s.h. PROFESSOR CLYDE

FOR GRADUATES

305. Seminar in the History of England and the British Empire.—2 s.h.
PROFESSOR LAPRADE

317. Seminar in Recent European History.—2 s.h. PROFESSOR CARROLL
[Not offered in 1943-44]

325. British Nationality and Public Opinion.—4 s.h. PROFESSOR LAPRADE
[Not offered in 1943-44]

327. Modern Phases of the English Constitution.—4 s.h.
PROFESSOR LAPRADE

343. Seminar in the History of American Foreign Relations and the Far
East.—2 s.h. PROFESSOR CLYDE

HISTORIOGRAPHY AND THE TEACHING OF HISTORY

FOR SENIORS AND GRADUATES

211. The Teaching of History and the Social Studies.—3 s.h.
ASSOCIATE PROFESSOR MANCHESTER

FOR GRADUATES

320. Historiography.—4 s.h. ASSOCIATE PROFESSOR NELSON

329. Historiography of the South.—4 s.h. ASSISTANT PROFESSOR WOODY
[Not offered in 1943-44]

RELATED COURSES IN OTHER DEPARTMENTS

Economics 231. Economic History of Modern Europe.—3 s.h.
PROFESSOR HAMILTON

Economics 232. Economic History of the United States.—3 s.h.
PROFESSOR HAMILTON

Economics 311-312. History of Political Economy.—6 s.h.
PROFESSOR HAMILTON

Economics 315. Economic Systems.—3 s.h. PROFESSOR HOOVER

Economics 316. Economic Functions of the State.—3 s.h.
PROFESSOR HOOVER

Political Science 223. Political Thought to the Seventeenth Century.—
3 s.h. PROFESSOR WILSON

Political Science 224. Modern Political Theory.—3 s.h.
PROFESSOR WILSON

Religion 309. History of the Ancient Near East.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR STINESPRING

Religion 393. Religious Thought in Colonial America.—3 s.h.
PROFESSOR SMITH

Religion 394. Religious Thought in Modern America.—3 s.h.
PROFESSOR SMITH

Sociology 237. Indians of North America.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN

Sociology 238. Anthropological Backgrounds of Latin America.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN

Sociology 239. Acculturation and Cultural Synthesis.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN

Sociology 240. The Peoples of Africa.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR JENSEN

MATHEMATICS

PROFESSOR GERGEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—03 GRAY
BUILDING; PROFESSORS ELLIOTT, RANKIN, AND THOMAS; ASSOCIATE
PROFESSORS CARLITZ AND ROBERTS; ASSISTANT PROFESSOR
DRESSSEL; DR. BOAS

FOR SENIORS AND GRADUATES

201. History of Mathematics.—Prerequisite: differential calculus. 3 s.h.
PROFESSOR RANKIN

204. Teaching of Mathematics.—3 s.h. PROFESSOR RANKIN

225. Theory of Equations.—Prerequisite: integral calculus. 3 s.h.
PROFESSOR THOMAS

227-228. Theory of Numbers.—Prerequisite: integral calculus. 6 s.h.
ASSOCIATE PROFESSOR CARLITZ

229-230. Algebraic Numbers.—Prerequisite: Mathematics 225. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ

235-236. Modern Algebra.—Prerequisite: integral calculus. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ

255-256. Projective Geometry.—Prerequisite: integral calculus. 6 s.h.
PROFESSOR THOMAS

271-272. Introductory Topology.—Prerequisite: integral calculus. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ROBERTS

275. Probability.—Prerequisite: integral calculus. 3 s.h. DR. BOAS
[Not offered in 1943-44]

281. Elementary Potential Theory.—Prerequisite: integral calculus. 3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ

282. Differential Equations of Mathematical Physics.—Prerequisite: integral calculus. 3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ

283. Fourier Series and Spherical Harmonics.—Prerequisite: integral calculus. 3 s.h.
ASSISTANT PROFESSOR DRESSER

284. Vector Analysis.—Prerequisite: integral calculus. 3 s.h.
PROFESSOR THOMAS

287. Mathematical Logic.—3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

288. Foundations of Mathematics.—3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

291-292. Theory of Functions.—Prerequisite: second course in calculus. 6 s.h.
[Not offered in 1943-44] PROFESSOR GERGEN

FOR GRADUATES

301-302. Algebraic Geometry.—Prerequisite: Mathematics 255-256. 6 s.h.
[Not offered in 1943-44] PROFESSOR THOMAS

325-326. Real Variable.—Prerequisite: Mathematics 291-292. 6 s.h.
PROFESSOR GERGEN

331-332. Complex Variable.—Prerequisite: Mathematics 291-292. 6 s.h.
[Not offered in 1943-44] DR. BOAS

333-334. Analytic Theory of Numbers.—Prerequisite: Mathematics 291-292. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR CARLITZ

337-338. Existence Theorems.—Prerequisite: Mathematics 291-292. 6 s.h.
[Not offered in 1943-44] PROFESSOR THOMAS

341-342. Integral Equations.—Prerequisites: elementary differential equations and second course in calculus. 6 s.h.
[Not offered in 1943-44] PROFESSOR ELLIOTT

- 343-344. Ordinary Differential Equations.—Prerequisite: Mathematics 291-292. 6 s.h.
[Not offered in 1943-44] PROFESSOR THOMAS
- 353-354. Trigonometric Series.—Prerequisite: Mathematics 325-326. 6 s.h.
[Not offered in 1943-44] PROFESSOR GERGEN
- 371-372. Dimension Theory.—Prerequisite: Mathematics 271-272. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ROBERTS
- 373-374. Continuous Transformations.—Prerequisite: Mathematics 271-272. 6 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ROBERTS
382. Potential Theory.—Prerequisites: Mathematics 281 and 325-326. 3 s.h.
[Not offered in 1943-44] PROFESSOR GERGEN

PHILOSOPHY

PROFESSOR WIDGERY, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 DIVINITY SCHOOL; PROFESSORS GILBERT AND SMITH; ASSOCIATE PROFESSORS LEONARD AND MORGAN; ASSISTANT PROFESSOR McLARTY

Courses normally given in alternate years marked † are not offered in 1943-44. Those marked * are offered in 1943-44.

FOR SENIORS AND GRADUATES

- 201-202. †The Philosophy of Art.—6 s.h. PROFESSOR GILBERT
203. The Philosophy of Conduct.—3 s.h. ASSOCIATE PROFESSOR MORGAN
205. †The Philosophy of History.—3 s.h. PROFESSOR WIDGERY
208. †Political Philosophy.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 209-210. *The Philosophy of Religion.—6 s.h. PROFESSOR WIDGERY
211. Philosophy of Civilization.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 213-214. *History of Aesthetics.—6 s.h. PROFESSOR GILBERT
215. Christian Ethics I.—3 s.h. PROFESSOR SMITH
216. Christian Ethics II.—3 s.h. PROFESSOR SMITH
217. †The Philosophy of Aristotle.—Prerequisite: 105. 3 s.h.
ASSISTANT PROFESSOR McLARTY
223. *Contemporary Philosophy.—3 s.h. PROFESSOR WIDGERY
226. *The History of Ethics.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- 231-232. Philosophy of Science.—6 s.h. ASSOCIATE PROFESSOR LEONARD
236. *Oriental Philosophy I. Chinese Philosophy.—3 s.h.
238. †Oriental Philosophy II. Indian Philosophy.—3 s.h.
PROFESSOR WIDGERY
241. *Logic.—3 s.h. ASSOCIATE PROFESSOR LEONARD
242. *Scientific Methodology.—3 s.h. ASSOCIATE PROFESSOR LEONARD
244. *Nietzsche and the Nineteenth Century.—3 s.h.
ASSOCIATE PROFESSOR MORGAN

245-246. †Philosophical Foundations of Religious Belief.—Religion 295-296. 6 s.h.

248. *Philosophy of Values.—2 s.h.

FOR GRADUATES

301-302. Seminar in Philosophy.—4 s.h. PROFESSOR WIDGERY

305. *Seminar: Spinoza.—3 s.h. PROFESSOR GILBERT

307. *Seminar: Kant.—2 s.h. ASSOCIATE PROFESSOR MORGAN

308. *Seminar: Hegel.—3 s.h. PROFESSOR GILBERT

310. *Seminar: Logical Positivism and Its Relation to Contemporary Movements in Philosophy and Science.—2 s.h. ASSOCIATE PROFESSOR LEONARD

315. *Seminar in Leibnitz.—2 s.h.

319. Religious Thought in Colonial America.—3 s.h. PROFESSOR SMITH

320. Religious Thought in Modern America.—3 s.h. PROFESSOR SMITH

323. Seminar in American Religious Thought.—2 s.h. PROFESSOR SMITH

325. †Seminar: Locke, Berkeley, Hume.—2 s.h. ASSOCIATE PROFESSOR LEONARD

326. Seminar: Christian Ethics.—2 s.h. PROFESSOR SMITH

331-332. Seminar in Special Fields of Philosophy.—2 s.h. each semester.

(a) Logic and Philosophy of Science. ASSOCIATE PROFESSOR LEONARD

(b) Ethics and Political Philosophy. ASSOCIATE PROFESSOR MORGAN

(c) Aesthetics. PROFESSOR GILBERT

(d) Philosophy of Religion and of History. PROFESSOR WIDGERY

RELATED COURSES IN OTHER DEPARTMENTS

Education 200. Introduction to the Philosophy of Education.—3 s.h. PROFESSOR HOLTON

Greek 209-210. Plato.—6 s.h. ASSISTANT PROFESSOR WAY

History 221-222. The Age of the Renaissance.—6 s.h. ASSOCIATE PROFESSOR NELSON
[Not offered in 1943-44]

Mathematics 287. Mathematical Logic.—3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

Mathematics 288. Foundations of Mathematics.—3 s.h. ASSOCIATE PROFESSOR CARLITZ
[Not offered in 1943-44]

Physics 213-214. Contemporary Physics.—6 s.h. ASSOCIATE PROFESSOR CONSTANT

Political Science 223. Political Thought to the Seventeenth Century.—3 s.h. PROFESSOR WILSON

Political Science 224. Modern Political Theory.—3 s.h. PROFESSOR WILSON

Psychology 228. Psychology of Belief.—3 s.h. PROFESSOR LUNDHOLM
[Not offered in 1943-44]

Religion 221. Platonism and Christianity.—3 s.h.

[Not offered in 1943-44]

ASSISTANT PROFESSOR OUTLER

Religion 222. Theology and Philosophy in the Nineteenth Century.—3 s.h.

[Not offered in 1943-44]

ASSISTANT PROFESSOR OUTLER

Sociology 320. History of Social Philosophy.—3 s.h. PROFESSOR JENSEN

Zoology 341. Historical and Philosophical Zoology.—2 s.h.

PROFESSOR HARGITT

PHYSICS

PROFESSOR NIELSEN, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—111

PHYSICS BUILDING; PROFESSORS EDWARDS, HATLEY, NORDHEIM, AND

SPONER; ASSOCIATE PROFESSORS CONSTANT AND MOUZON;

ASSISTANT PROFESSOR BONNER; DR. HEBB

FOR SENIORS AND GRADUATES

211. History of Physics.—2 s.h.

PROFESSOR EDWARDS

213-214. Contemporary Physics.—6 s.h.

ASSOCIATE PROFESSOR CONSTANT

215-216. Atomic Physics Laboratory.—2-4 s.h.

[Not offered in 1943-44]

PROFESSORS NIELSEN AND SPONER

217-218. Advanced General Physics Laboratory.—2 s.h.

[Not offered in 1943-44]

PROFESSORS NIELSEN AND SPONER

219. Electron Tubes and Their Application.—4 s.h.

ASSOCIATE PROFESSOR MOUZON

221-222. Introduction to Theoretical Physics.—8 s.h.

ASSOCIATE PROFESSOR CONSTANT

FOR GRADUATES

303. Thermodynamics.—3 s.h.

[Not offered in 1943-44]

PROFESSORS GROSS AND SPONER

305. Kinetic Theory of Matter.—3 s.h.

PROFESSOR SPONER

307. Advanced Dynamics.—3 s.h.

PROFESSOR NORDHEIM

308. Theory of Electricity and Magnetism.—3 s.h.

PROFESSOR NORDHEIM

311. Conduction of Electricity through Gases.—3 s.h.

PROFESSOR EDWARDS

315-316. Principles of Quantum Theory.—6 s.h.

PROFESSOR NORDHEIM

319. Electrodynamics.—3 s.h.

PROFESSOR NORDHEIM

320. Theory of Electrons.—3 s.h.

[Not offered in 1943-44]

PROFESSOR NORDHEIM

323. Theory of Atomic Spectra.—3 s.h.

[Not offered in 1943-44]

PROFESSOR SPONER

324. Theory of Molecular Spectra.—3 s.h.

[Not offered in 1943-44]

PROFESSOR SPONER

340. Structure of Matter.—3 s.h.

PROFESSOR SPONER

341. Advanced Topics in Quantum Theory.—Prerequisite: Physics 315-316. 3 s.h.
[Not offered in 1943-44] PROFESSOR NORDHEIM
- 343-344. Radioactivity and Nuclear Structure.—6 s.h. PROFESSOR NIELSEN
[Not offered in 1943-44]
- 351-352. Seminar.—2 s.h. STAFF
- 353-354. Thesis Seminar.—6 s.h. STAFF

POLITICAL SCIENCE

PROFESSOR WILSON, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—311
LIBRARY; PROFESSORS RANKIN AND VON BECKERATH; ASSOCIATE PROFESSORS COLE AND SHIPMAN; ASSISTANT PROFESSORS GIBSON, HALLOWELL, LINEBARGER, AND WALTER

FOR SENIORS AND GRADUATES

207. American Constitutional Law and Theory.—3 s.h. PROFESSOR WILSON
209. State and Local Government in the United States.—3 s.h.
PROFESSOR RANKIN
211. Political Institutions of the Far East.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR LINEBARGER
212. International Politics of the Far East.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR LINEBARGER
223. Political Thought to the Seventeenth Century.—3 s.h.
PROFESSOR WILSON
224. Modern Political Theory.—3 s.h. PROFESSOR WILSON
- 225-226. Comparative Government.—6 s.h.
ASSISTANT PROFESSOR HALLOWELL
- 227-228. International Law.—6 s.h. PROFESSOR WILSON
229. Recent and Contemporary Political Theory.—3 s.h.
ASSISTANT PROFESSOR HALLOWELL
230. American Political Institutions.—3 s.h. PROFESSOR RANKIN
- 241-242. The Administrative Process.—6 s.h.
ASSISTANT PROFESSOR WALTER
244. Administrative Law.—3 s.h. ASSISTANT PROFESSOR WALTER
246. Legislation.—3 s.h. ASSOCIATE PROFESSOR SHIPMAN
[Not offered in 1943-44]
252. Spanish-American Constitutionalism.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR GIBSON
271. Socio-Politics and Capitalism.—3 s.h. PROFESSOR VON BECKERATH
291. Municipal Government.—3 s.h. PROFESSOR RANKIN
292. Municipal Administration.—3 s.h. PROFESSOR RANKIN

FOR GRADUATES

310. Seminar in State Government.—3 s.h. PROFESSOR RANKIN
[Not offered in 1943-44]
311. Seminar in Far Eastern Politics.—3 s.h. ASSISTANT PROFESSOR LINEBARGER
[Not offered in 1943-44]
325. Seminar in Comparative Government.—3 s.h. ASSISTANT PROFESSOR HALLOWELL
328. Seminar in International Law.—3 s.h. PROFESSOR WILSON
341. Seminar in Public Administration.—3 s.h. ASSOCIATE PROFESSOR SHIPMAN
[Not offered in 1943-44]

RELATED COURSES IN OTHER DEPARTMENTS

- Economics 233. State and Local Finance.—3 s.h. ASSOCIATE PROFESSOR RATCHFORD
- Economics 234. Federal Finance.—3 s.h. ASSOCIATE PROFESSOR RATCHFORD
- Economics 237-238. Statistical Methods.—6 s.h. ASSISTANT PROFESSOR SPRINGER
- Economics 265. International Trade and Tariff Policies.—3 s.h. PROFESSOR VON BECKERATH
- Economics 266. International Finance.—3 s.h. PROFESSOR HAMILTON
[Not offered in 1943-44]
- Economics 270. Economics of War.—3 s.h. PROFESSORS HAMILTON AND VON BECKERATH
- Economics 316. Economic Functions of the State.—3 s.h. PROFESSOR HOOVER
- History 215-216. Foreign Policy and Diplomacy of the United States.—6 s.h. PROFESSOR CLYDE
- History 217-218. Europe since 1870.—6 s.h. PROFESSOR CARROLL
[Not offered in 1943-44]
- History 234. Political and Social Problems in the Hispanic American Republics.—3 s.h. PROFESSOR LANNING

PSYCHOLOGY

PROFESSOR LUNDHOLM, CHAIRMAN—201 SCIENCE BUILDING; ASSOCIATE PROFESSOR ZENER, DIRECTOR OF GRADUATE STUDIES—217A SCIENCE BUILDING; PROFESSOR RHINE; ASSOCIATE PROFESSOR ADAMS; ASSISTANT PROFESSOR KEMP

FOR SENIORS AND GRADUATES

202. Psychology of Aesthetics.—3 s.h. PROFESSOR LUNDHOLM
204. Motivation and Learning.—3 s.h. ASSOCIATE PROFESSOR ZENER
[Not offered in 1943-44]
206. Social Psychology.—2 s.h. ASSOCIATE PROFESSOR ADAMS
207. Psychology of Memory, Thinking, Perceiving.—3 s.h. ASSOCIATE PROFESSOR ZENER

209. Experimental Methods in Human Psychology.—4 s.h.
ASSOCIATE PROFESSOR ZENER
212. Physiological Psychology.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR KEMP
215. Developmental Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS
223. Abnormal Psychology.—3 s.h. PROFESSOR LUNDHOLM
226. Contemporary Schools of Psychology.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR ZENER
228. Psychology of Belief.—3 s.h.
[Not offered in 1943-44] PROFESSOR LUNDHOLM

FOR GRADUATES

302. Seminar.—3 s.h.
[Not offered in 1943-44] PROFESSOR LUNDHOLM
- 303-304. Research.—2 or 3 s.h.
PROFESSORS LUNDHOLM AND RHINE; ASSOCIATE PROFESSORS
ADAMS AND ZENER
306. Seminar in Child Psychology.—2 or 3 s.h.
ASSOCIATE PROFESSOR ADAMS
307. Seminar in Psychology of Personality.—3 s.h. PROFESSOR RHINE
309. Theory of Learning.—3 s.h. ASSOCIATE PROFESSOR ADAMS
310. Seminar: Selected Problems in the Dynamics of Behavior.—3 s.h.
ASSOCIATE PROFESSOR ZENER
313. Seminar in Parapsychology.—3 s.h.
[Not offered in 1943-44] PROFESSOR RHINE

RELATED COURSES IN OTHER DEPARTMENTS

- Education 208A. Mental Tests and Applications.—3 s.h.
ASSISTANT PROFESSOR VAN ALSTYNE
- Education 208B. Practicum.—2 s.h. ASSISTANT PROFESSOR VAN ALSTYNE
- Education 209. Statistical Methods Applied to Education.—2 s.h.
ASSOCIATE PROFESSOR SCATES
- Education 217. Advanced Educational Psychology.—3 s.h.
PROFESSOR BROWNELL
- Education 218. Educational Implications of Genetic Psychology.—3 s.h.
PROFESSOR BROWNELL
- Education 227. The Psychology of Learning: Problems.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR EASLEY
- Education 228. The Psychology of Learning: Theoretical and Experimental.—3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR EASLEY
- Education 258. Educational Measurements.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR SCATES

- Education 320. Advanced Educational Statistics.—3 s.h.**
ASSOCIATE PROFESSOR SCATES
- Philosophy 231-232. Philosophy of Science.—6 s.h.**
ASSOCIATE PROFESSOR LEONARD
- Philosophy 241. Logic.—3 s.h.**
ASSOCIATE PROFESSOR LEONARD
- Philosophy 242. Scientific Methodology.—3 s.h.**
ASSOCIATE PROFESSOR LEONARD
- Sociology 212. Child Welfare.—3 s.h.**
[Offered in Summer Session, 1943.] PROFESSOR JENSEN
- Sociology 217. Race and Culture.—3 s.h.** ASSOCIATE PROFESSOR THOMPSON
- Zoology 229. Endocrinology.—4 s.h.** PROFESSOR CUNNINGHAM
- Zoology 321. General Physiology.—4 s.h.** PROFESSOR HALL
- Zoology 324. Advanced Physiology.—4 s.h.** PROFESSOR HALL
- Zoology 341. Historical and Philosophical Zoology.—2 s.h.**
PROFESSOR HARGITT
- Zoology 351-352. Zoological Journal Club.—2 s.h.** STAFF
- Zoology 355-356(e). Seminar: Ecology, Parasitology, and Behavior.—**
Credit to be arranged. PROFESSOR PEARSE AND DR. WHARTON
[Not offered in 1943-44]

RELIGION

PROFESSOR SMITH, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—HH-01, FEW
QUADRANGLE; PROFESSORS BRANSCOMB, GARBER, AND RUSSELL; ASSO-
CIATE PROFESSORS CLARK AND STINESPRING; ASSISTANT PROFESSORS
OUTLER AND PETRY

FIELD I. BIBLICAL STUDIES

- 201-202. First Hebrew.—6 s.h.** ASSOCIATE PROFESSOR STINESPRING
- 205-206. Arabic.—6 s.h.** ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1943-44]
- 207-208. Second Hebrew.—6 s.h.** ASSOCIATE PROFESSOR STINESPRING
- 301. Old Testament Theology.—Prerequisite: Old Testament 203-204.**
3 s.h. PROFESSOR RUSSELL
- 304. Aramaic.—3 s.h.** ASSOCIATE PROFESSOR STINESPRING
- 305. Third Hebrew.—3 s.h.** ASSOCIATE PROFESSOR STINESPRING
- 309. History of the Ancient Near East.—3 s.h.**
[Not offered in 1943-44] ASSOCIATE PROFESSOR STINESPRING
- 310. Old Testament Prophecy.—3 s.h.** ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1943-44]
- 218. Galatians and I Corinthians.—3 s.h.** PROFESSOR BRANSCOMB
- 220. I Peter and the Gospel of John.—3 s.h.** PROFESSOR BRANSCOMB
[Not offered in 1943-44]

311. The Life and Teachings of Jesus.—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR BRANSCOMB
312. New Testament Theology.—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR RUSSELL
313. The Apostolic Fathers.—3 s.h. ASSOCIATE PROFESSOR CLARK
314. Early Christian Apologists.—3 s.h. PROFESSOR BRANSCOMB
315. Hellenistic Religions at the Beginning of the Christian Era.—3 s.h. ASSOCIATE PROFESSOR CLARK
316. Judaism at the Beginning of the Christian Era.—3 s.h. PROFESSOR BRANSCOMB
318. Text of New Testament.—3 s.h. ASSOCIATE PROFESSOR CLARK

FIELD II. STUDIES IN CHURCH HISTORY

331. The Social Message of the Early and Medieval Church.—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
332. The Medieval Church.—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
333. The Church in Europe since 1800.—Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER
- 335-336. The Church in America. Prerequisite: Church History 233-234. 6 s.h. PROFESSOR GARBER
337. Religion in the Southern States since the Civil War.—Prerequisite: Church History 233-234. 3 s.h. PROFESSOR GARBER
[Not offered in 1943-44]
339. Seminar on Frontier Religion.—Prerequisite: Church History 233-234. 2 s.h. PROFESSOR GARBER
340. Church Reformers and Christian Unity.—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY
341. A History of Christian Renunciation in the Middle Ages.—Prerequisite: Church History 233-234. 3 s.h. ASSISTANT PROFESSOR PETRY

FIELD III. STUDIES IN CHRISTIAN THEOLOGY AND ETHICS

221. Platonism and Christianity.—Prerequisite: six semester hours in philosophy or its equivalent. 3 s.h. ASSISTANT PROFESSOR OUTLER
[Not offered in 1943-44]
222. Theology and Philosophy in the Nineteenth Century.—3 s.h. ASSISTANT PROFESSOR OUTLER
[Not offered in 1943-44]
291. Christian Ethics I.—3 s.h. PROFESSOR SMITH
292. Christian Ethics II.—3 s.h. PROFESSOR SMITH
295. Philosophical Foundations of Religious Belief I.—3 s.h. [Not offered in 1943-44]
296. Philosophical Foundations of Religious Belief II.—3 s.h. [Not offered in 1943-44]
321. History of Christian Thought I.—3 s.h. ASSISTANT PROFESSOR OUTLER

322. History of Christian Thought II.—3 s.h. ASSISTANT PROFESSOR OUTLER
323. The Christian Conception of the Church.—Prerequisite: Christian Doctrine 321. 3 s.h. ASSISTANT PROFESSOR OUTLER
[Not offered in 1943-44]
329. Seminar in Historical Theology.—2 s.h. ASSISTANT PROFESSOR OUTLER
366. Seminar in Philosophy of Religious Education.—2 s.h. PROFESSOR SMITH
393. Religious Thought in Colonial America.—3 s.h. PROFESSOR SMITH
394. Religious Thought in Modern America.—3 s.h. PROFESSOR SMITH
397. Seminar in American Religious Thought.—2 s.h. PROFESSOR SMITH
[Not offered in 1943-44]
398. Seminar in Christian Ethics.—2 s.h. PROFESSOR SMITH
[Not offered in 1943-44]
399. Seminar in Theology and Ethics.—2 s.h. PROFESSOR SMITH AND ASSISTANT PROFESSOR OUTLER

ROMANCE LANGUAGES

PROFESSOR WEBB, CHAIRMAN—107 GRAY BUILDING; PROFESSOR JORDAN, DIRECTOR OF GRADUATE STUDIES—106 GRAY BUILDING; PROFESSOR COWPER; ASSOCIATE PROFESSORS LUNDEBERG AND WALTON; ASSISTANT PROFESSORS DAVIS, HASBROUCK, AND REID

FRENCH

FOR SENIORS AND GRADUATES

213. French Classicism.—3 s.h. ASSOCIATE PROFESSOR WALTON
214. French Classicism.—3 s.h. ASSOCIATE PROFESSOR WALTON
- 215-216. The Modern French Novel.—6 s.h. PROFESSOR JORDAN
217. French Phonetics.—3 s.h. PROFESSOR WEBB
218. Materials and Methods.—3 s.h. PROFESSOR WEBB
219. Old French.—3 s.h. PROFESSOR COWPER
220. Old French.—3 s.h. PROFESSOR COWPER
227. French Poetry since Théophile Gautier.—3 s.h. ASSOCIATE PROFESSOR WALTON
232. Rousseau and the Beginnings of Romanticism.—3 s.h. PROFESSOR COWPER
233. Main Currents of Modern French Literature.—3 s.h. PROFESSOR WEBB

FOR GRADUATES

317. History of the French Language.—3 s.h. PROFESSOR COWPER
323. Realism nad Naturalism.—3 s.h. PROFESSOR JORDAN

- 325-326. French Literature in the Sixteenth Century.—6 s.h.
ASSOCIATE PROFESSOR WALTON
328. Anatole France.—3 s.h.
ASSOCIATE PROFESSOR WALTON
331. Diderot and the Encyclopédie.—3 s.h.
PROFESSOR COWPER
- 333-334. Contemporary French Literature.—6 s.h.
PROFESSOR JORDAN
350. Nineteenth-Century French Criticism.—3 s.h.
PROFESSOR JORDAN

SPANISH

FOR SENIORS AND GRADUATES

253. Spanish Phonetics.—3 s.h.
ASSOCIATE PROFESSOR LUNDEBERG
- 255-256. Studies in Spanish-American Literature.—6 s.h.
[Not offered in 1943-44]
ASSISTANT PROFESSOR REID
257. The Modern Spanish Critical Essay.—3 s.h.
[Not offered in 1943-44]
ASSISTANT PROFESSOR HASBROUCK
258. Landmarks of Medieval and Renaissance Literature.—3 s.h.
ASSISTANT PROFESSOR DAVIS
260. Advanced Syntax and Composition.—3 s.h.
ASSOCIATE PROFESSOR LUNDEBERG
- 261-262. The Modern Spanish Novel.—6 s.h.
[Not offered in 1943-44]
ASSOCIATE PROFESSOR LUNDEBERG
265. Golden Age Literature: Cervantes.—3 s.h.
ASSOCIATE PROFESSOR LUNDEBERG
266. Golden Age Literature: The Don Juan Theme.—3 s.h.
[Not offered in 1943-44]
ASSOCIATE PROFESSOR LUNDEBERG

SOCIOLOGY AND ANTHROPOLOGY

PROFESSOR ELLWOOD, CHAIRMAN AND DIRECTOR OF GRADUATE STUDIES—303 GRAY
BUILDING; PROFESSORS GROVES, HART, AND JENSEN; ASSOCIATE
PROFESSORS GILLIN AND THOMPSON

205. Social Pathology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
PROFESSOR JENSEN
206. Criminology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
PROFESSOR JENSEN
212. Child Welfare.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
[Offered in Summer Session, 1943]
PROFESSOR JENSEN
213. Constructive Social Policies.—2 s.h.
[Not offered in 1943-44]
PROFESSOR JENSEN
215. Rural Sociology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON
216. Urban Sociology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON
217. Race and Culture.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h.
ASSOCIATE PROFESSOR THOMPSON

225. Statistical Methods in Sociology.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h. PROFESSOR HART
227. Emigration and Immigration.—Prerequisite: course 91-92, 101, or 131-132. 3 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]
236. Social Ethics.—3 s.h. PROFESSOR HART
237. Indians of North America.—Prerequisite: course 131. 3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN
238. Anthropological Backgrounds of Latin America.—Prerequisite: course 131. 3 s.h. ASSOCIATE PROFESSOR GILLIN
[Not offered in 1943-44]
239. Acculturation and Cultural Synthesis.—Prerequisite: course 131. 3 s.h. ASSOCIATE PROFESSOR GILLIN
[Not offered in 1943-44]
240. The Peoples of Africa.—Prerequisite: course 131. 3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR GILLIN
252. Education and Social Control.—Prerequisite: course 91-92, 101, or 131-132. 2 s.h. PROFESSOR ELLWOOD
[Not offered in 1943-44]
281. Public Opinion.—3 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]

FOR GRADUATES

317. Seminar in Anthropology.—1 to 3 s.h. ASSOCIATE PROFESSOR GILLIN
[Not offered in 1943-44]
319. Principles of Sociology.—3 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]
320. History of Social Philosophy.—3 s.h. PROFESSOR JENSEN
322. Methods of Social Research.—3 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]
326. Operational Sociology.—Prerequisite: one of the following: Sociology 225, or Economics 237-238, or Education 209, or Mathematics 74 or 275, or some other acceptable course in statistics. 3 s.h. PROFESSOR HART
[Not offered in 1943-44]
330. Seminar.—1 s.h. *each semester.*
PROFESSORS ELLWOOD, HART, AND JENSEN; ASSOCIATE PROFESSORS GILLIN AND THOMPSON
340. Seminar.—3 s.h. *each semester.* ASSOCIATE PROFESSOR THOMPSON
342. Seminar in Marriage and the Family.—2-4 s.h. PROFESSOR GROVES
[Not offered in 1943-44]
350. Seminar in Applied Sociology.—1 to 3 s.h. *each semester.* PROFESSOR JENSEN
351. Seminar in Medical Sociology.—2 s.h.
352. Seminar in Family Law.—2 s.h. PROFESSOR BRADWAY

RELATED COURSES IN OTHER DEPARTMENTS

- Economics 217. Population Problems and Resources.—3 s.h.
PROFESSOR SPENGLER
- Economics 315. Economic Systems.—3 s.h.
PROFESSOR HOOVER
- Economics 316. Economic Functions of the State.—3 s.h.
PROFESSOR HOOVER
- Philosophy 205. Philosophy of History.—3 s.h.
[Not offered in 1943-44] PROFESSOR WIDGERY
- Political Science 223. Political Thought to the Seventeenth Century.—
3 s.h. PROFESSOR WILSON
- Political Science 224. Modern Political Theory.—3 s.h.
PROFESSOR WILSON
- Psychology 206. Social Psychology.—3 s.h. ASSOCIATE PROFESSOR ADAMS

ZOOLOGY

PROFESSOR GRAY, CHAIRMAN—218 BIOLOGY BUILDING; PROFESSOR HARGITT,
DIRECTOR OF GRADUATE STUDIES—326 BIOLOGY BUILDING; PROFESSORS
CUNNINGHAM, HALL, AND PEARSE; ASSISTANT PROFESSORS
BOOKHOUT, JEFFERS, AND JOHNSON

FOR SENIORS AND GRADUATES

204. Advanced Parasitology.—Prerequisite: Zoology 161. 4 s.h.
[Not offered in 1943-44] PROFESSOR PEARSE
222. Entomology.—Prerequisite: one year of zoology. 4 s.h.
PROFESSOR GRAY
224. Vertebrate Zoology.—Prerequisite: Zoology 53. 4 s.h.
PROFESSOR GRAY
229. Endocrinology.—Prerequisites: Zoology 53, 92. 4 s.h.
PROFESSOR CUNNINGHAM
274. Invertebrate Zoology.—Prerequisites: Zoology 1 and 2. 4 s.h.
ASSISTANT PROFESSOR BOOKHOUT
276. Protozoology.—Prerequisites: Zoology 1 and 2. 4 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR BOOKHOUT

FOR GRADUATES

303. Ecology.—4 s.h.
[Not offered in 1943-44] PROFESSOR PEARSE
306. Advanced Ecology.—Prerequisite: Zoology 303. 4 s.h.
[Not offered in 1943-44] PROFESSOR PEARSE
307. Foundations of Zoology.—2 s.h. PROFESSOR PEARSE
321. General Physiology.—4 s.h. PROFESSOR HALL
324. Advanced Physiology.—Prerequisite: Zoology 151 or 321. 4 s.h.
PROFESSOR HALL
327. Experimental Embryology.—Prerequisites: Zoology 92, 151 or 321.
3 s.h. PROFESSOR CUNNINGHAM

341. Historical and Philosophical Zoology.—2 s.h. PROFESSOR HARGITT
[Not offered in 1943-44]

343. Cytology.—Prerequisites: Zoology 53, 92, 156, or equivalents. 4 s.h.
PROFESSOR HARGITT

351-352. Zoological Journal Club.—2 s.h. STAFF

353-354. Research.

(a) Embryology and Endocrinology.

PROFESSOR CUNNINGHAM AND ASSISTANT
PROFESSOR JEFFERS

(b) Comparative and General Physiology. PROFESSOR HALL

(c) Histology and Cytology. PROFESSOR HARGITT AND ASSISTANT
PROFESSOR JOHNSON

(d) Invertebrate Zoology. ASSISTANT PROFESSOR BOOKHOUT

(e) Ecology, Parasitology, and Behavior. PROFESSOR PEARSE

(f) Vertebrate Zoology and Entomology. PROFESSOR GRAY
Hours and credits to be arranged.

355-356. Seminar.

(a) Embryology and Endocrinology. PROFESSOR CUNNINGHAM

*(b) Comparative and General Physiology.

PROFESSOR HALL AND DR. WILSON

(c) Histology and Cytology. PROFESSOR HARGITT, ASSISTANT PROFESSORS
JEFFERS AND JOHNSON

*(d) Invertebrate Zoology. ASSISTANT PROFESSOR BOOKHOUT

*(e) Ecology, Parasitology, and Behavior.

PROFESSOR PEARSE AND DR. WHARTON

*(f) Vertebrate Zoology and Entomology. PROFESSOR GRAY

COURSES IN THE MEDICAL SCHOOL OPEN TO GRADUATE STUDENTS

PROFESSORS EADIE, HETHERINGTON, PERLZWEIG, AND D. T. SMITH; ASSOCIATE
PROFESSORS F. BERNHEIM, DANN, MCCREA, MARTIN, AND TAYLOR;
ASSISTANT PROFESSORS M. L. C. BERNHEIM, CONANT, COOLIDGE,
EVERETT, HOLLINSHEAD, AND NEURATH;
DR. YOUNGSTROM

ANATOMY

M201. Gross Human Anatomy.—Hours and credits (maximum 8 s.h.)
by arrangement. Prerequisites: adequate training in comparative anatomy
and embryology. DR. HETHERINGTON AND STAFF

M202. Microscopic Anatomy.—Hours and credits (maximum 2 s.h.) by
arrangement. Prerequisite: adequate training in histology or cytology.
DR. HETHERINGTON AND STAFF

M203. Anatomy of the Nervous System.—Hours and credits (maximum
4 s.h.) by arrangement. Prerequisite: Anatomy M201. DR. HETHERINGTON

* Not offered in 1943-44.

BACTERIOLOGY AND IMMUNOLOGY

M221. Bacteriology and Immunology.—Prerequisites: courses in general zoology, general botany, histology and comparative anatomy, general and organic chemistry. 4 s.h. DR. D. T. SMITH AND STAFF

M323. Advanced Bacteriology and Immunology.—8 s.h.
DR. D. T. SMITH AND STAFF

BIOCHEMISTRY

M241. General Biochemistry.—Prerequisites: general chemistry, organic chemistry, elementary physical and analytical chemistry, and at least one year of college biology. 6 s.h. DRS. PERLZWEIG AND TAYLOR, AND STAFF

M242. Biochemical Preparations.—Prerequisite: Biochemistry M241. 2 s.h. DR. TAYLOR AND STAFF

M243-244. Physical Chemical and Colloid Chemical Principles of Biochemistry. DR. NEURATH

M341. Pathological Chemistry.—Prerequisites: Biochemistry M241 and Physiology M261-2. DRS. PERLZWEIG, TAYLOR, AND M. L. C. BERNHEIM

M343. Immunochemistry.—2 s.h. DRS. MARTIN AND NEURATH

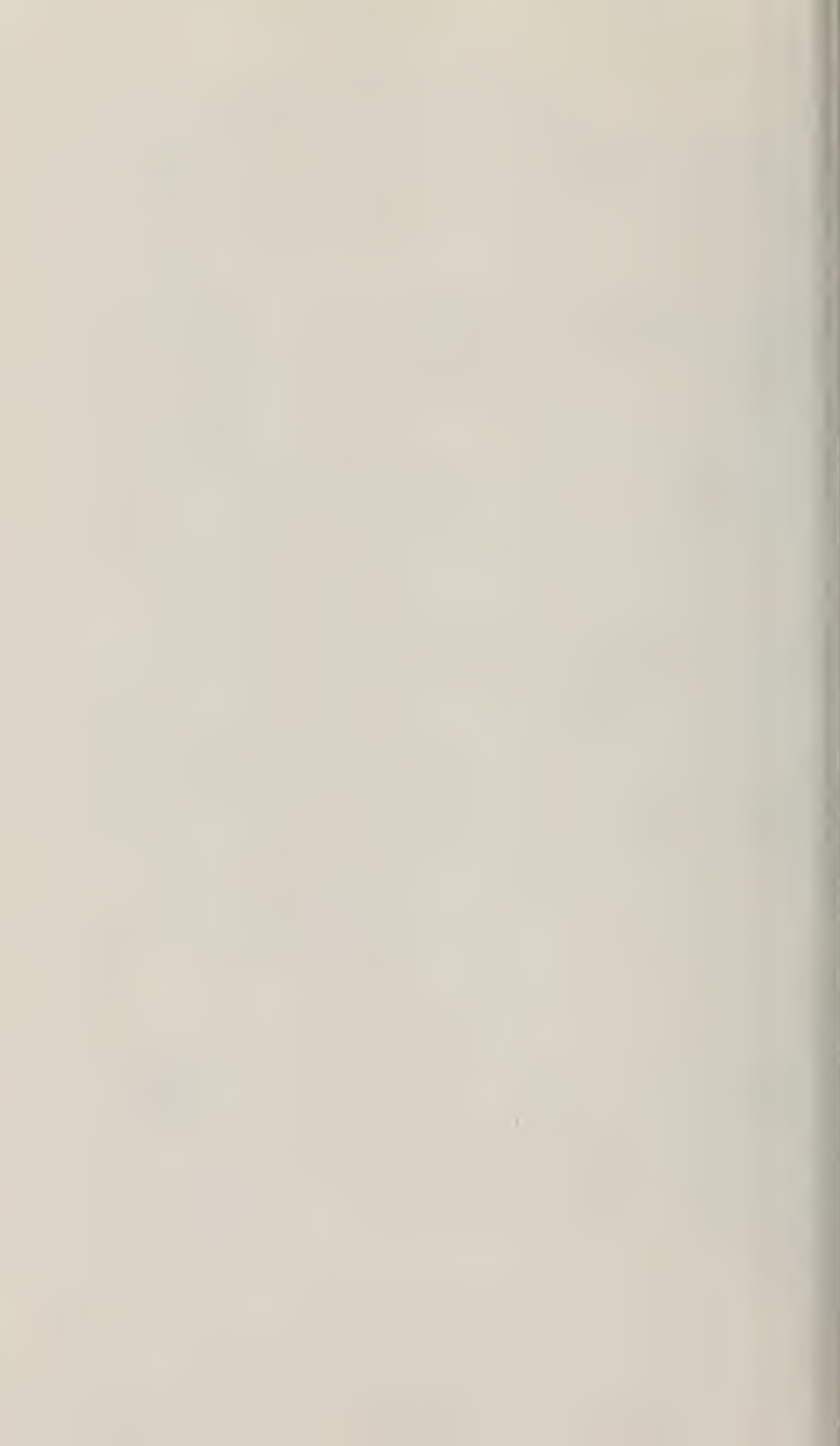
M345. Biological Oxidations.—2 s.h. DR. COOLIDGE AND STAFF

PHYSIOLOGY, PHARMACOLOGY, AND NUTRITION

M261-2. Human Physiology and Pharmacology.—Prerequisites: Anatomy M201 and Biochemistry M241 (or equivalents) and at least one year of college physics. Credits depending on work taken. (Maximum 8 s.h.)
DR. EADIE AND STAFF

M263. Physiology of Digestion, Metabolism, and Nutrition.—Prerequisite: Biochemistry M241. May-Aug., 1944. 2 s.h.
DRS. DANN, EADIE, AND F. BERNHEIM

M363-4. Advanced Seminar in Nutrition.—Prerequisites: Biochemistry M241 and Physiology M261 or equivalents. 4 s.h. DR. DANN



THE DIVINITY SCHOOL

PAUL NEFF GARBER, A.B., A.M., PH.D.
Dean

1942-1943
ANNOUNCEMENTS FOR 1943-1944

THE DIVINITY SCHOOL OF DUKE UNIVERSITY

THE DIVINITY SCHOOL

Trinity College was established by Christian men for the purpose of providing education for young men and women under distinctive Christian auspices. There has been no departure from this clearly defined aim. On the contrary, there has been ever-increasing emphasis placed upon this feature of the work of the College, especially in the provision in the curriculum for a great variety of courses on the Bible and other religious subjects.

Through the gift of James B. Duke, the Divinity School and its curriculum have been separated from the work of the Department of Religion in Trinity College. Among those for whom his gift was intended Mr. Duke placed ministers first. He felt sure that his native state of North Carolina stood in need primarily of a better educated and more efficiently trained ministry. The organization of the Divinity School of Duke University, the first of the professional schools to start its work, is the carrying out of this intention on the part of Mr. Duke. The work of the School began with the academic year 1926-27, though the formal opening exercises were not held until November 9, 1926.

The Divinity School is a member of the American Association of Theological Schools and was included in the list of accredited theological schools approved by the Association in June, 1938.

THE PURPOSE OF THE DIVINITY SCHOOL

Christian work has now expanded to the extent that it covers far more than the work of a preacher or minister. The Divinity School of Duke University purposes to offer training for those engaged in all types of Christian service. This includes missionaries, teachers of Bible and other religious subjects in the schools and colleges of the church, directors of religious education, and social workers. In the future it is planned to fit the courses more completely to the needs of these workers. Still it must be kept clear that the minister in charge of a church, who stands before the people to preach the Gospel of Christ, is the center and key to the whole problem of Christian work in the church. It is felt with strong conviction that the training of all Christian workers should be maintained on a high level. Consequently, the Divinity School is organized on a strictly graduate basis. It is sincerely hoped that the standard thus set may increasingly influence the type of men and women entering Christian work and may lead them to demand the best of themselves in the prosecution of the work of Christ among men.

RELATION OF THE DIVINITY SCHOOL TO DUKE UNIVERSITY

As one of the co-ordinate schools of Duke University, the Divinity School is in closest touch with the other schools, particularly with Trinity College and with the Graduate School of Arts and Sciences. Various privileges of Duke University are open to students of the Divinity School. Students in the School are expected to take part in the religious and social life of the University campus and to share in athletic interest and activities.

REQUIREMENTS FOR ADMISSION

Candidates for matriculation must be graduates of colleges of recognized standing. They will be admitted without examination on presentation of an official transcript of all college credits and such other credits as they may have secured. This applies to students coming from foreign countries as well as to students from institutions in the United States. They must satisfy the Faculty as to their Christian character and purpose. To this end a letter regarding a student's character and purpose from the pastor of his home church, a church official or some faculty member in the college where he did his undergraduate work, should be presented at the time of admission. Women will be admitted on the same conditions as men. Graduates from nonaccredited institutions may be admitted on probation.

PART-TIME SCHEDULES

Students who are not giving full time to their studies in the Divinity School may carry only limited schedules of class work.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Bachelor of Divinity are ninety semester hours, six semester hours of which shall be covered by the writing of an adequate thesis, either in a thesis seminar or under supervised thesis guidance. The course is planned to cover three years, of two semesters each. In no case will the degree of Bachelor of Divinity be conferred on a student until he has spent at least two full semesters in residence in the Divinity School, and has satisfactorily completed a minimum of twenty-four semester hours of work.

THESIS

A thesis is required of all candidates for the degree of Bachelor of Divinity. It shall be of such a character as shall evidence a knowledge of the methods of research and an ability to conduct independent investigations. It shall be written upon some topic in the major field of study. The candidate is responsible for the selection of a suitable subject, which must be approved by the professor in charge of the major field and must be filed with the Dean of the Divinity School on or before October 5

of the academic year in which it is expected that the degree will be conferred. Following the submission and approval of the subject of the thesis no changes will be permitted, except changes for the purpose of clarification or limitation of the subject. A student who does not complete his thesis within a period of three years from the date of the approval of his subject must secure a reapproval of the old subject or the approval of a new subject. The thesis shall be prepared under the supervision and guidance of the professor in charge of the major field. No student shall be allowed to write his thesis *in absentia* except with the approval of the Committee on Theses upon the recommendation of the professor in charge of the thesis. In all such cases regular reports as to the progress of the thesis must be made to the professor in charge, as often as he may deem wise.

The thesis shall be between one hundred and one hundred and twenty pages in length, inclusive of introduction, conclusion, appendices, and bibliography, except in unusual cases clearly recognized as such by the Committee on Theses in approving thesis subjects. The student, the director, and the Committee on Theses shall be responsible for the selection and approval of such subjects as can be treated satisfactorily within these limits.

The thesis shall be read by a committee of three members of the Faculty of the Divinity School, consisting of the professor under whose direction the thesis has been written and two other members appointed by the Dean, one of whom shall be of a department other than that in which the thesis is written. Each candidate shall be examined orally on his thesis by the committee appointed to read it, said examination not to exceed one hour in length. The thesis must be satisfactory to a majority of the members of the Committee of Examination, including the representative of the department in which the thesis was written.

A complete, typed copy of the thesis shall be in the hands of the professor under whom the thesis is written, for correction, by April 19, and three permanently bound typewritten copies shall be presented for examination not later than May 3 of the year in which it is expected the degree will be conferred. Theses submitted after May 3 shall not be considered as fulfilling the requirements for graduation in that academic year. In the case of extensive corrections of the thesis in the course of the examination, such retyping and rebinding of the thesis as the Committee of Examination may desire shall be required.

PRESEMINARY CURRICULUM

The Divinity School, in substantial agreement with the standards of the American Association of Theological Schools, recommends that prospective candidates for admission keep in mind the desirability of including the following in their undergraduate curriculum:

Two years' work in English literature and composition.

Two years in a foreign language.

One semester each in psychology, philosophy, and sociology (or economics).

One year in history.

An introduction to the natural sciences with adequate laboratory work (biology or one of the physical sciences).

Proficiency in public speaking.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF DIVINITY

GENERAL REQUIREMENTS

Ninety semester hours are required for graduation. Forty-five of these must be the following:

Old Testament	6 s.h.
New Testament	6 s.h.
Christian Doctrine	6 s.h.
Church History	6 s.h.
Homiletics	6 s.h.
History of Religion and Missions	6 s.h.
Religious Education	3 s.h.
Practical Theology	3 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.
	45 s.h.

MAJORS AND THESES

Each student must select a major field in which he elects to write his thesis and in which he must take fifteen semester hours including the general requirement in that field. This choice must be made by the end of the Middle year. A student may take his major in any of the departments of the Divinity School. He may also take his major in English Bible. To major in that field, he must complete in addition to the required work in the Departments of Old Testament and New Testament six semester hours in the Department of Old Testament and six semester hours in the Department of New Testament, exclusive of language.

DISTRIBUTION OF COURSES BY YEARS

JUNIOR YEAR

Old Testament	6 s.h.
New Testament	6 s.h.
Church History	6 s.h.

The remaining twelve semester hours shall be chosen from the remaining required courses in the Departments of Practical Theology, Religious Education, History of Religion and Missions, but not more than six semester hours shall be taken in one department. Students desiring courses in Greek and Hebrew may secure a suitable rearrangement of the distribution of courses by years on approval of the Registration Committee.

12 s.h.

30 s.h.

MIDDLE YEAR

Christian Doctrine	6 s.h.
Homiletics	6 s.h.
Philosophy of Religion and Christian Ethics	3 s.h.

After all other required courses are completed, the remainder of the work of this year is elective, but not more than twelve semester hours shall be taken in one department.

15 s.h.

30 s.h.

SENIOR YEAR

In the Senior year the student must fulfill all general requirements not completed in the Junior and Middle years. The remainder of the work is elective.

30 s.h.

TABLE OF REQUIRED COURSES

OLD TESTAMENT

203-204. Introduction to the Old Testament 6 s.h.

NEW TESTAMENT

213-214. The Beginnings of Christianity 6 s.h.

CHRISTIAN DOCTRINE

321. Introduction to Theology 3 s.h.

322. Introduction to the History of Christian Thought 3 s.h.

CHURCH HISTORY

233. Church History to the Reformation 3 s.h.

234. History of the Evangelical Movement 3 s.h.

HOMILETICS

341. Theory and Practice of Preaching 3 s.h.
and either

342. Sermon Construction 3 s.h.

or
346. Major Types of Preaching 3 s.h.

or
348. Materials of Preaching 3 s.h.

PRACTICAL THEOLOGY

351. Church Administration 3 s.h.

RELIGIOUS EDUCATION

262. The Educational Work of the Church 3 s.h.

PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics I 3 s.h.

HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World 3 s.h.

282. Missionary Promotion 3 s.h.

COURSES OF INSTRUCTION*

This is a condensed description of courses. For a full description, see Bulletin of the Divinity School.

OLD TESTAMENT

- 201-202. First Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
- 203-204. Introduction to the Old Testament.—6 s.h.
PROFESSOR RUSSELL AND ASSOCIATE PROFESSOR STINESPRING
- 205-206. Elementary Arabic.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1943-44]
- 207-208. Second Hebrew.—6 s.h. ASSOCIATE PROFESSOR STINESPRING
301. Old Testament Theology.—Prerequisite: Old Testament 203-204.
3 s.h. PROFESSOR RUSSELL
303. The Exegesis of Selected Books of the Old Testament.—Prerequisite: Old Testament 203-204. 3 s.h. PROFESSOR RUSSELL
304. Aramaic.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1943-44]
305. Third Hebrew.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
309. History of the Ancient Near East.—3 s.h.
[Not offered in 1943-44] ASSOCIATE PROFESSOR STINESPRING
310. Old Testament Prophecy.—3 s.h. ASSOCIATE PROFESSOR STINESPRING
[Not offered in 1943-44]
- 401-402. Thesis Seminar. DEPARTMENTAL STAFF

NEW TESTAMENT

- 211-212. Hellenistic Greek.—6 s.h., provided the student takes six semester hours in New Testament Greek the following year.
ASSOCIATE PROFESSOR CLARK
- 213-214. The Beginnings of Christianity.—6 s.h.
PROFESSOR BRANSCOMB AND ASSOCIATE PROFESSOR CLARK
217. The New Testament in Greek.—Prerequisite: six semester hours' study of the Greek language. 3 s.h. PROFESSOR BRANSCOMB
218. Galatians and I Corinthians.—Prerequisite: New Testament 217 or its equivalent. 3 s.h. PROFESSOR BRANSCOMB
219. Life of Paul.—3 s.h. PROFESSOR MYERS
220. I Peter and the Gospel of John.—Prerequisite: New Testament 217 or its equivalent. 3 s.h. PROFESSOR BRANSCOMB
[Not offered in 1943-44]

* On recommendation of the professor in charge of the major field, courses offered in the Graduate School of Arts and Sciences other than those approved for credit in the Divinity School may be approved for credit in individual cases, provided no equivalent course is offered in the Divinity School; each case to be decided on its merits.

311. **The Life and Teachings of Jesus.**—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR BRANSCOMB
312. **New Testament Theology.**—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR RUSSELL
313. **Apostolic Fathers.**—3 s.h. ASSOCIATE PROFESSOR CLARK
314. **Early Christian Apologists.**—3 s.h. PROFESSOR BRANSCOMB
315. **Judaism at the Beginning of the Christian Era.**—Prerequisite: New Testament 213-214. 3 s.h. PROFESSOR BRANSCOMB
316. **Hellenistic Religions at the Beginning of the Christian Era.**—Prerequisite: New Testament 213-214. 3 s.h. ASSOCIATE PROFESSOR CLARK
318. **Text of New Testament.**—Prerequisite: New Testament 213-214 and a reading knowledge of Greek. 3 s.h. ASSOCIATE PROFESSOR CLARK
- 411-412. **Thesis Seminar.** DEPARTMENTAL STAFF

CHRISTIAN DOCTRINE

221. **Platonism and Christianity.**—Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR OUTLER
222. **Theology and Philosophy in the Nineteenth Century.**—Prerequisite: six semester hours in philosophy or its equivalent (Christian Doctrine 321). 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR OUTLER
321. **Introduction to Theology.**—3 s.h. PROFESSOR ROWE
322. **Introduction to the History of Christian Thought.**—3 s.h.
ASSISTANT PROFESSOR OUTLER
323. **The Christian Conception of the Church.**—Prerequisite: Christian Doctrine 321. 3 s.h.
[Not offered in 1943-44] ASSISTANT PROFESSOR OUTLER
324. **The Content of Christian Doctrine.**—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
325. **Soteriology.**—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
326. **Eschatology.**—Prerequisite: Christian Doctrine 321. 3 s.h. PROFESSOR ROWE
327. **Arminian Theology.**—Prerequisite: Christian Doctrine 321. 3 s.h.
[Not offered in 1943-44] PROFESSOR ROWE
328. **Current Theology.**—Prerequisite: Christian Doctrine 321. 3 s.h.
[Not offered in 1943-44] PROFESSOR ROWE
329. **Seminar in Historical Theology.**—2 s.h. ASSISTANT PROFESSOR OUTLER
399. **Seminar in Theology and Ethics.**—Prerequisites: Christian Doctrine 322 and Philosophy of Religion and Christian Ethics 291. 2 s.h.
PROFESSOR SMITH AND ASSISTANT PROFESSOR OUTLER

423. History of Christian Thought I.—Prerequisite: Christian Doctrine
321-322. 3 s.h. ASSISTANT PROFESSOR OUTLER

424. History of Christian Thought II.—Prerequisite: Christian Doctrine
321-322. 3 s.h. ASSISTANT PROFESSOR OUTLER

427-428. Thesis Seminar.

DEPARTMENTAL STAFF

CHURCH HISTORY

233. Church History to the Reformation.—3 s.h.

ASSISTANT PROFESSOR PETRY

234. History of the Evangelical Movement.—3 s.h.

PROFESSOR GARBER

331. The Social Message of the Early and Medieval Church.—Prerequisite: Church History 233-234. 3 s.h.

ASSISTANT PROFESSOR PETRY

332. The Medieval Church.—3 s.h.

ASSISTANT PROFESSOR PETRY

335-336. The Church in America.—Prerequisite: Church History 233-234.
6 s.h.

PROFESSOR GARBER

[Not offered in 1943-44]

337. Religion in the Southern States since the Civil War.—Prerequisite: Church History 233-234. 3 s.h.

PROFESSOR GARBER

[Not offered in 1943-44]

339. Methodism.—Prerequisite: Church History 233-234. 3 s.h.

PROFESSOR GARBER

340. Church Reformers and Christian Unity.—3 s.h.

ASSISTANT PROFESSOR PETRY

341. A History of Christian Renunciation in the Middle Ages.—Prerequisite: Church History 233-234. 3 s.h.

ASSISTANT PROFESSOR PETRY

431. Modern Religious Leaders.—Prerequisite: Church History 233-234.
3 s.h.

PROFESSOR GARBER

[Not offered in 1943-44]

432. Religious Leaders of the Early and Medieval Church.—Prerequisite: Church History 233-234. 3 s.h.

ASSISTANT PROFESSOR PETRY

437-438. Thesis Seminar.

DEPARTMENTAL STAFF

HOMILETICS

341. Theory and Practice of Preaching.—3 s.h.

PROFESSORS HICKMAN AND MYERS

342. Sermon Construction.—3 s.h.

PROFESSORS HICKMAN AND MYERS

343. Psychology of Preaching.—3 s.h.

PROFESSOR HICKMAN

[Not offered in 1943-44]

344. Pastoral Psychology.—3 s.h.

PROFESSOR HICKMAN

[Not offered in 1943-44]

345. Doctrinal Preaching.—Prerequisite: Hom. 341-342. 3 s.h.

PROFESSOR HICKMAN

346. Major Types of Preaching.—Prerequisite: Hom. 341. 3 s.h.

PROFESSOR HICKMAN

347. **History of Preaching.**—Prerequisite: Hom. 341-342. 3 s.h.
PROFESSOR MYERS
348. **Materials of Preaching.**—Prerequisite: Hom. 341. 3 s.h.
PROFESSOR MYERS

PRACTICAL THEOLOGY

351. **Church Administration.**—3 s.h. PROFESSOR ORMOND
352. **Parish Evangelism.**—3 s.h. PROFESSOR ORMOND
353. **The Rural Church.**—3 s.h. PROFESSOR ORMOND
354. **Public Worship and Ordinances of the Church.**—3 s.h.
PROFESSOR ORMOND
356. **The Urban Church.**—3 s.h. PROFESSOR ORMOND
[Not offered in 1943-44]
- 358a. **Church Music.**—3 s.h. MR. BARNES
- 453-454. **Practicum on Rural Church Work.**—(Required of all students holding appointments on the Duke Endowment. No academic credit.)
PROFESSOR ORMOND
- 457-458. **Thesis Seminar.** PROFESSOR ORMOND

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- *220. **Rural Sociology.**—3 s.h. ASSOCIATE PROFESSOR THOMPSON
373. **Pastoral Psychology.**—3 s.h. PROFESSOR HICKMAN
[Not offered in 1943-44]
- **459. **Introduction to Psychiatry.**—1 s.h.

RELIGIOUS EDUCATION

262. **The Educational Work of the Church.**—3 s.h. PROFESSOR SPENCE
263. **The Principles and Theory of Religious Education.**—Prerequisite: Religious Education 262. 3 s.h.
PROFESSOR SPENCE
[Not offered in 1943-44]
363. **Curriculum of Religious Education.**—Prerequisite: Religious Education 262. 3 s.h. PROFESSOR SPENCE
364. **Educational Aspects of Worship.**—Prerequisite: Religious Education 262. 3 s.h. PROFESSOR SPENCE
[Not offered in 1943-44]
365. **The History of Religious Education.**—Prerequisite: Religious Education 262. 3 s.h. PROFESSOR SPENCE
366. **The Educational and Spiritual Values of Great Literature.**—Prerequisite: Religious Education 262. 3 s.h. PROFESSOR SPENCE
367. **Technic of Teaching Religion.**—Prerequisite: Religious Education 262. 3 s.h. PROFESSOR SPENCE

* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

** Course offered in the School of Medicine which is credited toward the degree of Bachelor of Divinity.

461-462. Thesis Seminar.	PROFESSOR SPENCE
*206. Social Psychology.—3 s.h.	ASSOCIATE PROFESSOR ADAMS
*223. Abnormal Psychology.—3 s.h.	PROFESSOR LUNDHOLM
*228. Psychology of Belief.—2 s.h.	PROFESSOR LUNDHOLM
**265. Religious Drama.—3 s.h.	PROFESSOR SPENCE
**268. Drama Construction and Production.—3 s.h.	PROFESSOR SPENCE

HISTORY OF RELIGION AND MISSIONS

281. Living Religions of the World.—3 s.h.	PROFESSOR CANNON
282. Missionary Promotion.—3 s.h.	PROFESSOR CANNON
283. The Religions of the Far East.—3 s.h. [Not offered in 1943-44]	PROFESSOR CANNON
284. Comparative Religion I.—Prerequisite: 281. 3 s.h. [Not offered in 1943-44]	PROFESSOR CANNON
286. Comparative Religion II.—Prerequisite: 281. 3 s.h.	PROFESSOR CANNON
287. Mohammedanism.—Prerequisite: 281. 3 s.h. [Not offered in 1943-44]	PROFESSOR CANNON
288. The Religions of India.—3 s.h. [Not offered in 1943-44]	PROFESSOR CANNON
289. Buddhism.—Prerequisite: 281. 3 s.h.	PROFESSOR CANNON
481-482. Thesis Seminar.	PROFESSOR CANNON

PHILOSOPHY OF RELIGION AND CHRISTIAN ETHICS

291. Christian Ethics I.—3 s.h.	PROFESSOR SMITH
292. Christian Ethics II.—3 s.h.	PROFESSOR SMITH
293. The Christian Religion and Modern Thought.—3 s.h.	
294. The Christian Religion and Values.—3 s.h.	
295. Philosophical Foundations of Religious Belief I.—3 s.h. [Not offered in 1943-44]	
296. Philosophical Foundations of Religious Belief II.—3 s.h. [Not offered in 1943-44]	
393. Religious Thought in Colonial America.—3 s.h.	PROFESSOR SMITH
394. Religious Thought in Modern America.—3 s.h.	PROFESSOR SMITH
397. Seminar in American Religious Thought.—2 s.h. [Not offered in 1943-44]	PROFESSOR SMITH

* Course offered in the Graduate School of Arts and Sciences which is offered toward the degree of Bachelor of Divinity.

** Course offered in Trinity College of Duke University which is credited toward the degree of Bachelor of Divinity.

398. Seminar in Christian Ethics.—2 s.h. PROFESSOR SMITH
399. Seminar in Theology and Ethics.—Prerequisites: Christian Doctrine 322 and Philosophy of Religion and Christian Ethics 291. 2 s.h.
PROFESSOR SMITH AND ASSISTANT PROFESSOR OUTLER
- 491-492. Thesis Seminar. PROFESSOR SMITH
- *203. The Philosophy of Conduct.—3 s.h. ASSOCIATE PROFESSOR MORGAN
- *209. Philosophy of Religion I: Philosophical Introduction.—3 s.h.
PROFESSOR WIDGERY
- *210. Philosophy of Religion II: Philosophical Introduction.—3 s.h.
PROFESSOR WIDGERY
- *226. The History of Ethics.—3 s.h. ASSOCIATE PROFESSOR MORGAN

SOCIOLOGY

At least five semester hours of undergraduate sociology are prerequisite to all courses of the Department, except 236, 238 and 299. Students whose undergraduate training in sociology has been inadequate but who wish to pursue further work in the Department are advised to consult with the chairman of the Department of Sociology regarding the removal of their deficiency as soon as possible after matriculation in the Divinity School.

236. Social Ethics.—3 s.h. PROFESSOR HART
238. Religion and the World Crisis.—3 s.h. PROFESSOR HART
299. Marriage and Family Counseling.—3 s.h. PROFESSOR HART
- 421-422. Thesis Seminar. PROFESSOR HART
- *205. Social Pathology.—3 s.h. PROFESSOR JENSEN
- *206. Criminology.—3 s.h. PROFESSOR JENSEN
- *212. Child Welfare.—3 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]
- *215. Rural Sociology.—3 s.h. ASSOCIATE PROFESSOR THOMPSON
- *216. Urban Sociology.—3 s.h. ASSOCIATE PROFESSOR THOMPSON
- *319. Principles of Sociology.—3 s.h. PROFESSOR JENSEN
[Not offered in 1943-44]
- *320. History of Social Philosophy.—3 s.h. PROFESSOR JENSEN

* Course offered in the Graduate School of Arts and Sciences which is credited toward the degree of Bachelor of Divinity.

GENERAL INFORMATION

FEES

Tuition is remitted to students matriculated in the Divinity School, for which they are expected to render from time to time service which shall not interfere with their work in the Divinity School.

Each student is assessed per semester as follows:

Matriculation Fee	\$25.00
Library Fee	5.00
Athletic Fee	5.00
Publication Fee (optional)	2.50
Hospital Fee	5.00
Damage Fee	1.00

Each student is assessed, in the last semester before a degree is conferred, a Commencement Fee of \$3.00 and a Diploma Fee of \$5.00. The latter fee is refunded if the diploma is not awarded.

LATE REGISTRATION

Students matriculating in either semester at a date later than that prescribed in the catalogue shall pay to the Treasurer of the University a penalty of \$5.00.

ROOMS

All rooms in the dormitories are provided with heat, water, and electric light. Each student furnishes his own blankets, sheets, pillow slips, towels, and pillows. Students must furnish their own electric lamps, which can be purchased from the University Store.

Rooms for a given year may be engaged at the office of the Director in the Business Division at any time before May 15 of the preceding year. Every student who wishes to retain his room for the succeeding year must notify the office of the Director in the Business Division on or before May 15. All rooms which have not been signed for on or before May 15 will be considered vacant for the succeeding year. A reservation is canceled, and the University is free to rent the room to other students, unless a deposit of \$25.00 for each proposed occupant, in part payment of the rent, is made by August 1. Further information concerning the rental of rooms can be secured from the Dean of the Divinity School.

BOARDING HALLS

The University dining hall in the University Union has accommodations for all the resident men students. It is the policy of the University to furnish board to the students at actual cost. The Union is the logical

center of student activities, and all male students are advised to board in its supervised halls.

STUDENT AID

Scholarships are available for students, the terms of which may be ascertained by correspondence with the Dean of the Divinity School. Aid is also given in securing positions in churches. Students who need financial help may be assured that the administration will do all in its power to give the necessary assistance.

N. EDWARD EDGERTON SCHOLARSHIP FUND

In 1939 Mr. N. Edward Edgerton, of Raleigh, North Carolina, an alumnus of Duke University of 1921 and a former president of the Duke University Alumni Association, established the N. Edward Edgerton Scholarship Fund in the Divinity School. The purpose of the Edgerton Fund as specified by the donor is a "scholarship or scholarships to be awarded only to students who are candidates for the B.D. degree in the Divinity School."

THE LIBRARY

The Divinity School has its own library, conveniently housed in the Divinity School Building. The Library, which contains materials dealing with the subject of religion, already numbers nearly thirty thousand volumes. It has been carefully selected and is the equivalent in working efficiency of many libraries which are much larger. It is already rich in complete files of the more important journals and periodicals, in sets containing source materials for the study of the history of religion and missions, in facsimiles of the more important manuscripts of the New Testament, and in source materials in the field of American church history. The Library is being rapidly expanded. One of the outstanding possessions of the Library is a magnificent Greek manuscript of the thirteenth or fourteenth century containing the entire text of the New Testament.

Besides this special library, students of the Divinity School have the use of the General Library of the University, the Library of the School of Law, and the Library of the School of Medicine. All these libraries are located near the Divinity School Building.

MASTER OF ARTS AND DOCTOR OF PHILOSOPHY DEGREES IN RELIGION

Graduate study in religion leading to the degrees of Master of Arts and Doctor of Philosophy may be pursued under the administrative direction of the Graduate School of Arts and Sciences.

Work toward these advanced degrees is available in three general fields: (1) Biblical Studies (Professor Branscomb, Adviser); (2) Studies in Church History (Professor Garber, Adviser); and (3) Studies in Christian Theology and Ethics (Professor Smith, Adviser). Courses

approved by the Graduate Council for work in these fields are listed in the *Bulletin of the Graduate School*.

Students desiring additional graduate study for a degree beyond that of Bachelor of Divinity should apply to Calvin B. Hoover, Dean of the Graduate School of Arts and Sciences.

FACILITIES FOR ADVANCED STUDY IN THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH

The Divinity School of Duke University is one of the supporting members of the American Schools of Oriental Research. This grants to students in the Divinity School the privilege of attending the American School in Jerusalem or the one in Bagdad without charge for tuition. They are also able to compete for the financial aids that are offered annually by the Schools. These consist of four fellowships, the stipends depending upon available funds.

RELIGIOUS LIFE

The students of the Divinity School are expected to attend the regular University Chapel services which are held on Tuesday and Friday of each week. Special chapel services for the Divinity School are held each Monday and Wednesday.

In this, as in other features of the University life, the students of the Divinity School are urged to identify themselves with the life of the whole student group.

DATE OF REGISTRATION

Classwork in the Divinity School for the academic session of 1943-44 will begin on Monday, September 20, 1943. The registration of students in the Divinity School will be held on Saturday, September 18, 1943.

ADDITIONAL INFORMATION

Requests for information not contained in this bulletin should be addressed to the Dean of the Divinity School, Duke University, Durham, North Carolina.

THE SCHOOL OF LAW

(IN ASSOCIATION WITH THE LAW SCHOOL
OF WAKE FOREST COLLEGE)

H. CLAUDE HORACK, PH.B., LL.B., LL.D.
Dean

1942-1943
ANNOUNCEMENTS FOR 1943-1944

Member of the Association of American Law Schools.
Approved by the American Bar Association.

Summer Semester, 1943, begins June 1, ends September
11; Fall Semester, 1943, begins September 27, ends
January 22; Spring Semester, 1944, begins January 24,
ends May 13.

FACULTY—WARTIME PROGRAM

ROBERT LEE FLOWERS, A.M., LL.D., *President of the University*

H. CLAUDE HORACK, Ph.B., LL.B., LL.D., *Dean and Professor of Law (Duke University)*

Ph.B. 1899, LL.B. 1900, State University of Iowa; LL.B. 1904, Harvard University; LL.D. 1937, Tulane University; LL.D. 1939, Wake Forest College; Assistant Professor of Law, University of Wisconsin, 1904-07; Professor of Law, State University of Iowa, 1907-30; University of Michigan, summer 1922; University of Wisconsin, summer 1924; University of Southern California, summer 1931; Stanford University, summer 1936; Adviser, Council on Legal Education and Admissions to the Bar of the American Bar Association, 1927-30, member of Council, since 1940; Secretary, Association of American Law Schools, 1926-28, President, 1929; Professor of Law, Duke University, 1930-34; Dean and Professor of Law, since 1934.

DALE F. STANSBURY, B.S., LL.B., J.S.D., *Dean and Professor of Law (Wake Forest College)*

B.S. 1914, Valparaiso University; LL.B. 1917, Indiana University; J.S.D. 1929, Yale University; Sterling Research Fellow, Yale University, 1928-29; Deputy Attorney General of Indiana, 1918-24, 1928; in private practice, 1925-27; Professor of Law, Mercer University, 1929-35; Dean and Professor of Law, Wake Forest College, since 1935.

BRYAN BOLICH, A.B., B.A. (Juris.), M.A., B.C.L., *Professor of Law*

A.B. 1917, Duke University; Duke University Law School, 1919-21; B.A. (Juris.) 1923, B.C.L. 1924, M.A. 1927, Oxford University; general practice, 1924-27; Professor of Law, Duke University, since 1927.

JOHN S. BRADWAY, A.B., A.M., LL.B., *Professor of Law and Director of the Legal Aid Clinic*

A.B. 1911, A.M. 1915, Haverford College; LL.B. 1914, University of Pennsylvania; general practice, 1914-29; Legal Aid Society of Philadelphia, 1914-20; chief counsel, Philadelphia Legal Aid Bureau, 1920-22; Secretary, National Association of Legal Aid Organizations, 1923-40, President, 1940-42; Visiting Professor of Law and Director of the Legal Aid Clinic, University of Southern California, summer 1928; Professor of Law and Director of the Legal Aid Clinic, University of Southern California, 1929-31; Professor of Law and Director of the Legal Aid Clinic, Duke University, since 1931.

THADDEUS DILLIARD BRYSON, LL.D., *Professor of Law*

Emory and Henry College, 1889-90; University of North Carolina, 1891-95; LL.D. 1938, Emory and Henry College; general practice, 1895-1918; Solicitor, 20th Judicial District, North Carolina, 1908-16; Judge, Superior Court, North Carolina, 1918-26; general practice, 1926-27; Professor of Law, Duke University, since 1927.

I. BEVERLY LAKE, B.S., LL.B., LL.M., *Professor of Law*

B.S. 1922, Wake Forest College; LL.B. 1929, Harvard University; LL.M. 1940, Columbia University; in general practice, 1929-32; Assistant Professor of Law, Wake Forest College, 1932-33; Associate Professor of Law, 1933-34; Professor of Law, since 1934.

CHARLES L. B. LOWNDES, A.B., LL.B., S.J.D., *Professor of Law*

A.B. 1923, Georgetown University; LL.B. 1926, S.J.D. 1931, Harvard University; general practice, 1926-27; Assistant Professor of Law, Georgetown University, 1927-28; Professor of Law, Georgetown University, 1928-30; Research Fellow, Harvard Law School, 1930-31; Professor of Law, Georgetown University, 1931-34; Professor of Law, Duke University, since 1934.

MALCOLM McDERMOTT, A.B., LL.B., *Professor of Law*

A.B. 1910, Princeton University; LL.B. 1913, Harvard University; general practice, 1913-30; Dean, College of Law, University of Tennessee, 1920-30; University of Southern California, summer 1929; Professor of Law, Duke University, since 1930.

WILLIAM R. ROALFE, LL.B., *Law Librarian*

LL.B. 1922, University of Southern California; general practice, 1923-25; Law Librarian, University of Southern California, 1927-30; President, American Association of Law Libraries, 1935-36; Law Librarian, Duke University, since 1930.

EDWIN CONSTANT BRYSON, LL.B., *Assistant in Legal Aid Clinic*

ALTON J. KNIGHT, A.B., LL.B., *Assistant in Legal Aid Clinic*

CHARLES HENDERSON MILLER, A.B., LL.B., *Assistant in Legal Aid Clinic*

ANNOUNCEMENT FOR THE SUMMER AND FALL SEMESTERS, 1943

Beginning June 1, 1943, the Duke Law School, in association with the Law School of Wake Forest College, will continue its Wartime Program which was started in the summer of 1942. Under the plan of joint operation, the two schools will remain entirely separate except that students will meet in joint classes, all of which will be held in the Law Building at the Duke Law School.

The Summer Semester will begin on June 1, 1943 and continue for 15 weeks, ending September 11, 1943. The Fall Semester will begin September 27 and end January 22, 1944.

Under the Wartime Program, three semesters of law study are given each calendar year, so that the normal full law course of six semesters required for the degree of Bachelor of Laws may be completed in two calendar years. Either beginning or advanced students may enter any semester as the work is so arranged that all subjects will be completed in the semester in which they are offered. Students who so desire, may spread their work over three years by omitting one semester in any one calendar year.

The School reserves the right to make such variations in the program herein described as circumstances may require.

ADMISSION REQUIREMENTS

During the emergency, students with superior grades will be admitted who have completed only two years of college work at an approved college.

Courses are open to students of any year transferring from schools that are members of the Association of American Law Schools or approved by the American Bar Association.

Applications for admission should be accompanied by a transcript of all previous college or law school work.

TUITION AND FEES

During the joint operation of the two law schools, a uniform charge of \$125.00 per semester will be made which will include tuition and fees. A graduation fee of \$10.00 is payable by all students to whom a degree is awarded.

DORMITORIES AND THE LAW CABINS

Furnished double rooms in the Law Cabins may be secured at \$40.00 per person for each semester. It is expected that a few double rooms will be available in the Graduate Dormitory at \$62.50 per person for each

semester. Women students may secure rooms on the Woman's College Campus, known as the East Campus, at the same rate per person.

Since the number of rooms available on the campus is extremely limited because of various military units located at Duke University, reservation at the earliest possible time is strongly advised. Rooms cannot be assured for the summer semester unless applications therefor have been received by May 15.

Applications for dormitory rooms should be made after students have been accepted for admission to the Law School. For dormitory rooms on the Woman's College Campus, address Mr. W. A. Tyree, Director in the Business Division, Woman's College Campus, Durham, North Carolina. For rooms in the Graduate Dormitory or the Law Cabins, address Mr. W. E. Whitford, Director in the Business Division, Duke Station, Durham, North Carolina. A deposit of \$25.00 should accompany each application.

THE FIRST-YEAR PROGRAM

<i>Summer Semester—1943</i>		<i>Fall Semester—1943</i>	
<i>Subject</i>	<i>Hours</i>	<i>Subject</i>	<i>Hours</i>
Agency	2	Criminal Law	3
Contracts	6	Introduction to Procedure	3
Family Law	2	Personal Property	2
Possessory Estates	2	Torts	5
Legal Bibliography	1	Legal Bibliography	1
	13		14

THE SECOND- AND THIRD-YEAR PROGRAM

<i>Summer Semester—1943</i>		<i>Fall Semester—1943</i>	
<i>Subject</i>	<i>Hours</i>	<i>Subject</i>	<i>Hours</i>
Debtors Estates	3	Business Associations I	4
Equity II	3	Conveyancing	3
Legislation	2	Evidence	4
North Carolina Statutes	2	Legal Ethics	1
Practice	4	Pleading	3
Sales	2	Practice	4
Legal Aid Clinic II	2	Taxation	4
Trusts	3	Wills	3
Individual Study and Research..	2	Legal Aid Clinic I	3
	23	Conflict of Laws	3
		Individual Study and Research	2
			34

STUDENTS CALLED TO MILITARY SERVICE

In so far as possible, the Administration of Duke University and the Faculty of the School of Law will endeavor to see that no student suffers loss of academic standing or of fees paid to the University because of being called into the armed forces of the United States. Individual cases will be considered on their merits as they arise.

THE SCHOOL OF MEDICINE

WILBURT CORNELL DAVISON, A.B., B.A., B.Sc., M.A., D.Sc., M.D.
Dean

1942-1943 ANNOUNCEMENTS FOR 1943-1944

1943 Autumn Quarter begins September 27, ends December 20; Winter Quarter begins January 3, 1944, ends March 26; Spring Quarter begins March 31, ends June 22; Summer Quarter begins July 3, ends September 24.

GENERAL STATEMENT

Duke University School of Medicine and Duke Hospital were established in 1925, through the munificent gift of the late James B. Duke. The *School of Medicine* has been planned to insure the greatest correlation between the various departments. These facilities are available also for students who are studying for degrees other than that of Doctor of Medicine. The School of Medicine has been approved as Class A by the American Medical Association and is also a member of the Association of the American Medical Colleges. On July 6, 1942, two hundred and sixty-seven students were enrolled.

FACILITIES OF THE HOSPITAL

Duke Hospital has every modern convenience for the diagnosis, proper care, welfare and comfort of the patients, both private and charity, white and colored, whether they come from Durham or from a distance. It has 604 beds, including 50 bassinets for newly born infants. *Medicine*, including dermatology and neurology, has 75 ward beds; *surgery*, including urology, otolaryngology, ophthalmology and orthopaedics, 143 ward beds; *obstetrics*, including *gynecology*, 56, and 50 bassinets; *neuropsychiatry*, 23; and *pediatrics*, 52. There are 205 private rooms and semiprivate cubicles, 7 air-conditioned operating rooms, and 4 obstetric delivery rooms. Offices and examining rooms for the members of the Medical Faculty are located in the Hospital. The Hospital has been approved for internships and residences by the Council on Medical Education and Hospitals of the American Medical Association.

Duke Hospital and its Public Dispensary were opened for patients on July 21, 1930. One hundred and eighty-one thousand, five hundred individuals have been examined, diagnosed, and treated up to June 30, 1942. The average daily census of hospital patients is 415; 104,056 visits were made to the Public Dispensary during the past year. Fifteen per cent of the patients come from within a radius of twenty miles, the remaining 85 per cent come from the other 99 counties in North Carolina and from 27 other states and 3 foreign countries. The average distance traveled by the patients is more than seventy miles.

Every effort is being made to co-operate with the medical profession, and patients are asked to return to the physicians who referred them to the Hospital and Clinic.

PUBLIC WARD PATIENTS. Duke Hospital cannot give charity treatment to all who apply; therefore, patients whose incomes are less than \$15 per week should apply to the Public Dispensary Division of the Duke Clinic.

PRIVATE PATIENTS. Patients who can pay the ward and private rates may at any time, through their family physicians, in consultation with any member of the Hospital Staff, make reservations by telephoning to

the Admitting Office. Appointments for private examinations and treatments may be made in advance by telephoning to members of the Hospital Staff or to the Private Diagnostic Division of the Duke Clinic.

The next class of students will be admitted to the Duke University School of Nursing on April 1, 1943, but applications will be considered at any time. Further information about the entrance and other requirements, length of the course, tuition fees, application forms, and bulletins may be obtained by writing to the Dean of the School of Nursing, Duke University, Durham, N. C.

SCHOOL OF DIETETICS

In addition to the training of medical students and nurses in dietetics, ten student dietitians may be admitted to the School of Dietetics and given the certificate of graduate dietitian after the successful completion of one year. The entrance requirements are a Bachelor's degree from an approved university or college, with majors in nutrition and institutional management, and the courses in chemistry, biology, social science, and education recommended by the American Dietetic Association. The course for student dietitians provides instruction in all phases of hospital and institutional dietetics, including experience from the buying and storage of food to its service to the patient according to the physician's orders. In addition, if applying for graduate credit, they will be required to complete the courses in biochemistry, nutrition, and selected portions of physiology as given to the medical students.

More detailed information and application blanks may be obtained from the Professor of Dietetics, Duke University School of Dietetics, Durham, N. C. The course starts the first Monday in September, but applications for appointments should be made before February 1. If a student receives advanced credit, a tuition fee of \$50 is charged. All students pay a registration fee of \$10 at the time of appointment; maintenance is provided.

HOSPITAL ADMINISTRATION

After the war three or four internships in hospital administration leading to a certificate will again be available to university graduates whose character, tact, and ability for leadership are good, and whose academic standing is high. These internships are of three years' duration and pay a small salary in addition to room, board, and laundry. Vacations of two weeks are allowed at the beginning of the second and third years of internship.

The instruction is practical rather than theoretical in emphasis. The interns are rotated through five different assistant administrative positions in the Hospital. There is also a weekly seminar lasting two hours.

During these three years, the interns also register in the Graduate School of Duke University, and receive the A.M. degree after the successful completion of a thesis and twenty-four semester hours of University courses in various fields. Further information may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C.

COURSE IN LABORATORY TECHNIQUE

The course in laboratory technique includes training in blood chemistry, clinical microscopy, bacteriology, serology, basal metabolism, and histopathological technique. The course, which is approved by the Registry of Technicians of the American Society of Clinical Pathologists, lasts eighteen months. A new class will be admitted every nine months on the same dates that each class of first-year medical students is admitted. Two years of college work are required with credits in biology or zoology, and inorganic, analytical and organic chemistry. The registration fee is \$75, and there are no additional charges, except for breakage. The students live in town at their own expense. Applications may be sent to Dr. David T. Smith, Duke Hospital, Durham, N. C.

ANESTHESIA

A twelve months' postgraduate course in anesthesia is offered to registered nurses. The training includes the theory and practice of anesthesia as approved by the American Association of Nurse Anesthetists. Students are accepted each January 15, April 15, July 15, and October 15. The tuition fee of \$100 covers all necessary expenses including maintenance. Applications may be sent to Miss Mary H. Snively, Duke Hospital, Durham, N. C.

MEDICAL SOCIAL SERVICE

Medical Social case-work service is offered to patients referred by personnel within the Hospital, and by interested individuals and health and welfare agencies outside of the Hospital. Assistance and advice in connection with the problems presented are available to the members of the Staff and referring agencies.

The department assists in teaching social aspects of illness and medical care through consultations and lectures to the various students within the Duke Medical and Nursing Schools. It also serves as an agency for supervised field work for students of the Graduate School of the University of North Carolina, and a member of the staff serves as a co-ordinator of a series of medical lectures for this School. Further information concerning training for advanced students may be obtained from the Social Service Department, Duke Hospital, Durham, N. C.

RECORD LIBRARY

A course for the training of medical records librarians, which has been given full approval by the American Association of Medical Records Librarians, includes all details of the theory and practice of clinical record library methods. The length of the training is twelve months. The tuition fee is \$100 and does not include maintenance. Applications may be made to the Medical Records Librarian, Duke Hospital, Durham, N. C.

PHYSIOTHERAPY

A course outlining physiotherapy with practical work in corrective posture exercises, foot exercises, and massage is required of student nurses during one quarter of their first year. An elective course including the theory and practice of physiotherapy is offered to third- and fourth-year medical students each quarter.

POSTGRADUATE STUDY

The School of Medicine is not limited to the training of its own students and Staff, but extends to the members of the medical profession the benefit of everything it has. Graduates in medicine are welcomed especially at the various clinics and demonstrations in medicine, surgery, obstetrics, and other specialties, which are held from 9 A.M. to 12:30 P.M. each Saturday and at the clinical-pathological conferences at 5 P.M. on Fridays. Postgraduate internships for one or two weeks are available to physicians in practice. No fees are charged; room and board can be obtained for \$20 per week. Further information may be obtained by writing to the head of the department concerned or to the Dean.

INTERNSHIPS AND RESIDENCIES

Internships of one year's duration with room, board, laundry, and uniforms furnished, but without salary, are available in *medicine, surgery* (including general surgery, urology, and orthopaedics), *orthopaedics, urology, otolaryngology-ophthalmology, dentistry, obstetrics and gynecology, endocrinology, pediatrics, neuropsychiatry, and pathology*, commencing April 1, 1943, January 1 and October 1, 1944.

Application blanks for all internships, which must be returned at least three months before the beginning of the internship desired, may be obtained by writing to the Superintendent, Duke Hospital, Durham, N. C. Graduates of any Class A medical school are eligible for internships.

After the completion of an internship in Duke Hospital or in another acceptable hospital, a certain number may be appointed as assistant residents in medicine, surgery, obstetrics and gynecology, pediatrics, psychiatry, neurology, dermatology, orthopaedics, urology, otolaryngology, ophthalmology, roentgenology, pathology, biochemistry, or the Student Health Service, or as fellows of the Private Diagnostic Clinic, at a salary of \$250 to \$500 per year with maintenance, and eventually may be promoted to the residency in the various departments or subdepartments of the Hospital at an annual salary of \$500 to \$1,000 with maintenance. Applications should be made to the head of the department concerned.

LIBRARY

In addition to the General Library of Duke University and the departmental libraries of biology, chemistry, physics, etc., which have 619,468 volumes available for medical students, Duke Hospital Library contains 39,576 volumes of American and foreign medical literature and subscribes

to 385 current American and foreign medical and other scientific journals. These books and journals are available daily from 8:30 A.M. to 11:00 P.M. for the students, nurses, Staff, and medical profession.

REQUIREMENTS FOR ADMISSION

Intelligence and character are the essential qualifications for admission.

The minimum requirements for admission to this School include approved college credits of not less than three full academic years, which shall include adequate preparation in English, mathematics, physics, biology, and chemistry.* This preparation should be obtained in college courses of one-year duration except for chemistry. In that subject a two-year course is recommended: the first year to cover general (inorganic) chemistry; the second, analytic and organic chemistry.

The premedical student should be aware of the importance of a well-rounded general education as a preparation for the study of medicine and not limit himself to scientific courses. He would be better advised to secure a knowledge of the principles and a thorough appreciation of the interrelations of the basic sciences than to accumulate credits in many courses. He should learn how to work independently, to observe critically, and to analyze, rather than simply store the information presented. His choice of studies, beyond those required for admission, should be governed by his own chief interests and by the intellectual stimulus to be derived from the work. His major interest may be in any field, scientific or otherwise, and should provide an opportunity for the demonstration of his real ability. In general he should avoid courses in subjects which are included in the medical curriculum.

The selection of students is based upon the quality rather than the quantity of preparation and upon demonstrated evidence of personal attributes of intelligence, character, and general fitness for the study and practice of medicine. In considering an applicant many sources of information may be consulted, including (1) his curricular and extracurricular college record, (2) carefully prepared, confidential appraisals by teachers who know him personally, (3) his percentile rating on the Medical Aptitude Test,** and (4) the results of an interview with members of the Admission Committee or one of its Regional Representatives.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICINE

After the completion of six quarters in the Duke University School of Medicine, Duke University, on the recommendation of the Executive Committee, grants the degree of Bachelor of Science in Medicine to medical students who have completed creditable investigative work, pre-

* J.A.M.A. 113: 757 (Aug. 26) 1939. For the duration of the war, students may be eligible for admission who present collegiate credits of two academic years (four semesters or six trimesters), including English, theoretical and practical courses in physics, biology, general and organic chemistry, completed in approved institutions.

** This test is given at many of the colleges during the Autumn term. If information is not available locally, it may be secured from Dr. F. A. Moss, Columbia Medical Building, Washington, D. C.

pared an acceptable report of the investigation, and passed an examination upon the subject of the investigation before an advisory committee. Students who elect to undertake work toward this degree must obtain written permission from the Executive Committee after approval of their program by the head of the department in which the work is to be done. No credit toward this degree is given for additional college work. All students in good standing are encouraged to undertake such investigative work as they may elect with the approval of the head of the department in which they wish to work. All requirements must be completed prior to April 15 of the year in which the B.S. degree is requested.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF MEDICINE

The degree of Doctor of Medicine is conferred on those who have completed, to the satisfaction of the Executive Committee, the twelve quarters of the curriculum of the School of Medicine, the preclinical and clinical examinations, and have signed an agreement that they will spend at least two of the succeeding three years in hospital or laboratory work acceptable to the Executive Committee. As a guarantee of this pledge, the diploma is deposited in the Treasurer's Office until after the completion of this training. Failure to fulfill this agreement constitutes a waiver of any claim to possession of the diploma and the degree of Doctor of Medicine. One year of active duty with the Army or Navy Medical Corps will be accepted for the second year of the required two years of internship.

DEPARTMENTS OF INSTRUCTION

Anatomy

Five days per week during the Autumn Quarter and two days per week during the Winter Quarter are scheduled for the *required* courses of instruction in gross human anatomy, histology, and neurology. In all of this work considerable freedom is allowed the student in his selection of working hours and in the planning of his own methods of attack. Emphasis is placed upon the study of material in the laboratory, supplemented by a few lectures and by frequent small-group conferences upon any phases of the work then current. All of the instruction is designed to be as informal and as nearly individual as possible. General principles and the functional viewpoint of living anatomy are stressed in the hope that the student may be stimulated to secure a working knowledge of anatomy in the broadest sense. Whenever possible, fresh tissues and living cells are made available for examination, and clinical cases exemplifying anatomical principles are studied whenever they are available at appropriate times. Through the co-operation of the Department of Radiology, the students are given an opportunity to study portions of the living human body as revealed by the fluoroscope and roentgenograph.

Demonstrations in Anatomy. Using dissections already prepared, weekly demonstrations of selected regions or systems are made by the members of the group. Sixth quarter—Two hours per week by arrangement. Second-year students in groups of 10.

Special Neuroanatomy. Laboratory work and conferences upon selected portions of the human central nervous system. A two-quarter course limited to 6 junior or senior students. Tuesday and Thursday mornings the first quarter (Autumn 1942, Summer 1943) devoted to study of sections and dissections of the brain stem. Satisfactory completion of the first quarter will determine admission to the second quarter seminars—2 hours weekly by arrangement—upon special topics in neuroanatomy and neurophysiology.

Brain Modeling. Free-hand reconstruction in clay, from gross and sectioned material, of the chief tracts and nuclei of the human brain stem. A two-quarter course, by arrangement—4 to 10 students.

Experimental Neurology. An operative and laboratory study of the effect of various lesions upon the central and peripheral portions of the nervous system. Four to 8 junior and senior students by arrangement. Prerequisite—operative surgery.

Seminar. This work is designed for those who are interested in becoming acquainted with some of the original literature on anatomical problems. A wide range of choice in the selection of topics is encouraged. Weekly, any quarter; time by arrangement. 6 to 10 students.

Advanced Studies in Anatomy. Further work in the several branches of anatomy may be arranged at any time. Prospective candidates for such work should discuss their wants with the members of the Staff in charge of the particular field in which work is requested, since only a small number can be accommodated at any one time. A few properly qualified students may be permitted to undertake original research under the direction of various members of the Staff.

Biochemistry

The *required* course in general biochemistry for first-year students is given in the first and second quarters. One morning each week in the first quarter is devoted, in discussion groups, to the correlation of the fundamental facts and theories of physical and organic chemistry with the chemistry of living organisms. In the second quarter three lectures and four laboratory periods per week, supplemented by systematic reading and weekly conferences in small groups, are devoted to a more intensive study of the chemistry of the physiological processes of digestion and absorption, circulation and respiration, acid-base and salt equilibrium, and metabolism, including quantitative urine and blood analyses.

Since the success of the students in this course is largely determined by the adequacy and ready availability of their premedical training, it is urged that all students review the fundamental laws, theories, and facts of chemistry before the beginning of the course. A circular outlining the topics requiring special attention is sent to all students upon admission. Additional copies of the circular may be obtained from the Dean's Office. An examination to test the state of preparation of the student is given in the beginning of the course in biochemistry.

Electives. In connection with the course given in the sixth quarter for second-year students a survey of pathological and clinical chemistry is presented. In this course are covered abnormalities of: protein, fat and carbohydrate metabolism, acid-base regulation, salt and water distribution, nitrogen retention, calcium and phosphorus metabolism, blood and derived bile pigments. The discussion of these topics is based upon case histories, including the records of the Clinical Chemical Laboratory of the Hospital.

Biochemical Research. The facilities of the department, including various types of research equipment and the clinical material of the blood chemistry laboratory, are available to properly qualified students for independent or supervised investigations. Chemical investigations of problems in biochemistry or in conjunction with the clinical departments and the Department of Pathology may be carried on.

Seminar in Toxicology. A round-table discussion of the homicidal, suicidal and industrial poisons, alcoholism, etc., by arrangement.

Laboratory Detection of Common Poisons. A laboratory course in the properties, detection, and identification of the common poisons. Consideration is given to the types of material to be examined, legal precautions to be taken and interpretation of the findings, by arrangement.

Chemistry of Proteins, Enzymes, and Viruses. A two-hour seminar is given weekly throughout the Autumn, Winter, and Spring Quarters.

Immunochemistry. A two-hour seminar given in collaboration with the Department of Bacteriology. This course is given in alternate years with the preceding course in protein chemistry.

Physiology, Pharmacology, and Nutrition

The elements of physiology, pharmacology, and nutrition are taught in the laboratory and in frequent conferences.

Elective courses covering particular aspects of these subjects, including pathological physiology and research in special fields, are available.

Research. A few properly qualified students are permitted to undertake original research in physiology, pharmacology, or nutrition under the direction of various members of the Staff.

Pathology

The *required* course in general pathology for second-year students is given in the fourth and fifth quarters. The class is divided into small groups, one instructor and an assistant being assigned to each group. For the purpose of teaching the gross pathological alterations of tissue, the museum material, which consists of complete cases preserved as units, has been classified into well-organized groups, such as obstructions, diseases due to animal parasites, tumors, etc., each group of materials being placed in a separate laboratory. The various student groups work with these groups of material in rotation. The microscopic aspects of pathological processes are studied by the students at the same time the gross pathological features of the disease are being considered. Physiological, chemical, and bacteriological phases of the various disease processes are presented to the student by constant reference to the autopsy protocols and clinical studies of the cases which are being considered by the groups. Lectures on general subjects of wide application are given in co-ordination with the museum case studies. Attendance at autopsies is required of the students of the second year, the class being divided into small groups which are called in turn. The group members are required to follow all studies of the cases which they see and to prepare their own complete records. Cases thus prepared are presented by the students before the entire class under the direction of the Staff.

Elective courses in pathology are available for a limited number of students who have completed the course in general pathology. Research facilities are provided in the department for students who are competent to undertake investigation.

On Fridays at 5 P.M., during the fourth, fifth, and sixth quarters, a clinical-pathological conference is held in co-operation with the staffs of the clinical departments. While this conference is designed especially for the Hospital Staff, it is open to all members of the medical profession, and attendance of second-year, junior, and senior students is expected. A gross diagnostic clinical-pathological conference on current autopsies is

held weekly in collaboration with the medical department. Attendance of the students of the third and fourth years is required at this conference.

Bacteriology and Parasitology

Bacteriology, Mycology, Immunology, and Parasitology. The required course is given in the fourth quarter. An intensive study is made of the common bacteria, fungi, and parasites which cause disease in man. The scope of the laboratory course is reasonably wide and acquaints the student with all the methods and procedures employed in bacteriological laboratories. Most of the lecture time is devoted to the immunological and epidemiological aspects of infection. The instruction is designed to give the students a clear conception of: (1) how organisms gain entrance to the body, (2) the type of poisons which they produce, (3) the nature of immune bodies which are produced by the host, and (4) the methods of preventing the disease by active and passive immunization.

Research Bacteriology. Opportunities for original investigations are afforded a few specially qualified students.

Clinical Bacteriology. During their clinical clerkships on medicine (one quarter each for junior and senior classes), the students may perform the routine and special bacteriological work for the patients assigned to them on the teaching service, under the direction of the Department of Bacteriology and in parallel with the Biological Division of the medical clinic.

Medicine

Clinical Microscopy is given in the fifth quarter. The course includes the essentials of hematology and the examination of fresh material, such as urine, stools, spinal fluid, sputum, transudates, and exudates. The most important parasites of man are studied by the use of fresh and museum material. Second-year and senior students are given opportunities for special work and for investigation.

Physical Diagnosis and Introduction to Clinical Medicine. This course, in the sixth quarter, consists of instruction in history taking, physical examination, and the application of the preclinical sciences to the interpretation of findings. All departments, preclinical and clinical, including the specialties, participate. The importance of co-operation between clinic and laboratory is emphasized, and the preclinical departments extend the teaching of their particular branches in correlation with other preclinical and clinical studies. In this manner the course serves as an introduction to clinical medicine. The class is divided into sections of not more than ten students, and each student is given individual instruction.

Junior Medicine. Junior students are assigned in small groups for one quarter to the medical wards as clinical clerks. Teaching rounds are held from 8:30 to 9:30 A.M., on Mondays, Wednesdays, and Fridays. Medical clinics are given on Mondays, Wednesdays, and Saturdays at 11:30 A.M.

Therapeutics. Each group of junior students receives practical instruction in *pharmaceutics* under the guidance of an instructor in pharmacy. On Tuesdays and Thursdays from 1:30 to 2:30 P.M. bedside

instruction is given in *applied pharmacology and therapeutics* to the group on Junior Medicine.

Senior Medicine. Senior students are assigned for one quarter to the Dispensary as clinical clerks. Teaching rounds are held from 9:30 to 11:30 A.M. on Mondays and Fridays. Seniors attend medical clinics on Mondays, Wednesdays, and Saturdays at 11:30 A.M.

Cutaneous Medicine and Syphilology. Instruction consisting of lectures, seminars, and study and treatment of patients in the out-patient clinic is offered each quarter to senior students.

Neurological Medicine. A sound understanding of neurological diseases is an essential equipment of every physician. Junior students are assigned neurological cases routinely during their service as medical clinical clerks. An elective course consisting of advanced bedside teaching in clinical neurology is offered for three quarters to senior students. The Laboratory of Experimental Neurology is available for postgraduate investigative work; this laboratory handles routinely the neurosurgical biopsy material, including intracranial tumors. An electro-encephalograph is in routine clinical use in both neurology and neuropsychiatry and is available for special research problems.

Neuropsychiatry

Instruction is started in the second year with a course that covers psychobiology. This course is concerned with the modern conception of personality; its neurophysiological bases; the growth, development, and traits of the individual, normal and abnormal. The students are trained in neuropsychiatric method and examination, and they write a life history, applying those methods to themselves. The problems of intelligence, intelligence testing, and mental deficiency are discussed. Instruction in neuropsychiatry for junior and senior students is continued by weekly lecture-clinics during the Autumn, Winter, and Spring Quarters. The didactic work in neuropsychiatry is supplemented by clinics and by the student's actual experience in handling such psychiatric problems as occur on the psychiatric ward, and seniors are assigned to the out-patient clinic. In addition, clinics are held in the North Carolina State Hospital, Raleigh, N. C. Elective work is offered to students who are especially interested. Before graduation it is sought to give the student a workable conception of the individual as a whole, the psychobiological unit, that may be applied in practice.

Surgery

General Surgery. In the sixth quarter the second-year students, during their course in physical diagnosis, attend clinics and demonstrations arranged to familiarize them with the techniques of examinations and the diagnostic procedures used in general surgery and the surgical specialties. Emphasis is placed on the more practical and commonly used methods.

During the last six quarters at 11:30 A.M. on Tuesdays and Fridays and at 9:30 A.M. on Saturdays, clinics in surgery and the surgical specialties are held for junior and senior students. The *junior* students, during their

surgical quarter, attend ward rounds in surgery from 8:30 to 10:30 A.M. on Mondays, Wednesdays, and Fridays, act as clinical clerks on the wards, avail themselves of the electives offered, and attend the regular clinics. The surgical group in the *senior* year attends ward rounds from 8:30 to 10:30 A.M. on Mondays, Wednesdays, and Fridays, the regular clinics and the electives offered, and assists in the surgical dispensary in the afternoon. Individuals may take any of the electives offered.

A course in operative surgery is given in the experimental laboratory from 8:30 to 11:30 A.M. on Tuesdays and Thursdays during the quarters necessary to make it available for all students. The group is divided into operating teams, and each student takes his turn serving as the operator, first assistant, and anesthetist. Special work in experimental surgery may be arranged by conference with the instructor. The purpose of this course is to teach the basic principles of aseptic surgery, anesthesia, and the technique of operations illustrating various types of surgery, the operative procedures being of gradually increasing difficulty.

A course in emergency and traumatic surgery is given during the senior surgical quarter. In groups of two, students are assigned to the emergency room for all accidents and emergencies. Opportunity is given to observe and assist in the treatment of accident cases and in the diagnosis and treatment of all emergencies. Lectures are given as indicated. In addition to scrubbing on the emergency cases which they see, these students, in groups of two, are also assigned to the operating room for additional practical experience in surgical technique.

An *elective* course in anesthesia is open to four properly qualified senior students each quarter. Students meet the anesthetist each morning in the operating room and observe and administer anesthetics under supervision.

Otolaryngological Division. An introductory course of instruction in the use of otolaryngological instruments, with a review of normal anatomy, is given to second-year students in the sixth quarter. Clinics on Fridays at 11:30 A.M. during the sixth quarter are given to junior and senior students; junior students during their obstetric quarter spend two afternoons for five and one-half weeks in the otolaryngological dispensary. There are no formal otolaryngological ward rounds, but junior and senior students are assigned to patients during the surgical quarter. Individual instruction is given the student by the various members of the Staff. Each quarter an elective course in ear, nose, and throat is given. This course includes anatomy; physiology; diseases of ear, nose, and throat; x-ray interpretation; and the use of diagnostic instruments.

Ophthalmological Division. During the sixth quarter second-year students receive instruction in elementary ophthalmology. During the senior pediatric quarter the students work in the ophthalmological clinic as assigned, and assist in the study and treatment of eye diseases. Especial emphasis is placed on the underlying medical and surgical conditions. Each student follows throughout his time in the clinic all patients assigned to him. For those who manifest an unusual interest in this specialty, pro-

vision will be made for more advanced work. Each quarter an elective is given one hour a week, which includes anatomy, physiology, refraction, muscle imbalance, neuro-ophthalmology, ocular pathology, and the use of diagnostic instruments.

Orthopaedic Division. In the sixth quarter an introductory course is given. During the surgical quarters the junior and senior students attend ward rounds at 9:30 A.M. on Mondays and Fridays. Clinics are held one quarter each nine months on Friday at 11:30 A.M. for juniors and seniors. Students in their senior surgical quarter are assigned in rotation to the orthopaedic dispensary which is held each afternoon from Monday to Friday inclusive. An *elective course* in the treatment of fractures is offered during the junior and senior surgical quarters on Friday morning from 9:30 to 11:30. In this course the students get practical training in the application of plaster of Paris casts and in the follow-up treatment of fractures. Elective courses in orthopaedic pathology, roentgenology, and physiotherapy are offered to junior and senior students. Arrangements may be made for students who wish to do research or experimental work. At 813 Fifth Street, the orthopaedic division conducts a special clinic for the treatment of cerebral palsy. The clinic has a bed capacity of twelve and is staffed with a specially trained physiotherapist, a school-teacher, and an administrative officer. Interested students are welcomed at any time. Students are given the opportunity of attending the North Carolina Orthopaedic Hospital Clinic at Goldsboro the third Thursday of each month. They may also attend similar clinics held in Lumberton the first Friday of each month, in Elizabeth City the last Tuesday of each month, and in Tarboro the Monday before the last Tuesday of each month.

Urologic Division. In the sixth quarter, second-year students are given a course of lectures and practical demonstrations in urologic physical diagnosis in the normal individual student. Ward rounds on urologic patients are given every Saturday at 8:30 A.M., throughout the year, which junior students in their surgical quarter, and the senior surgical group are required to attend. During each quarter, small groups are selected from the senior surgical group of students and assigned in rotation to the urologic dispensary every afternoon. Here, under proper supervision, they study patients and give recommended treatment. During one and a third quarters of the year urologic clinics are given on Fridays at 11:30 A.M. for the junior and senior classes. These clinics deal with the affections of the male and female urinary tract and of the male genital tract. Clinics for urethroscopic and cystoscopic investigation and for the more technical methods of urologic diagnosis and treatment are held Monday, Wednesday, and Thursday from 1:30 to 5:00 P.M. and Tuesdays and Thursdays from 9:30 A.M. to 12:30 P.M., throughout the year. X-ray conferences on all urologic cases are held Tuesday, Thursday, and Saturday mornings from 8:30 to 9:30 and are followed by Staff rounds. Three senior students may select one of these cystoscopic clinics, x-ray conferences, and Staff rounds as an elective. *The Urologic Journal Club*

meets each Monday from 4:30 to 6:30 P.M., and members of the Staff review their respectively assigned journals. Interested students are welcomed.

Neurosurgical Division. Throughout the year at 11:30 A.M., on every third Tuesday, neurosurgical clinics are held for junior and senior students, at which the general principles of neurosurgical diagnosis and treatment are discussed. During all four quarters, weekly ward rounds are held at 8:30 A.M. on Wednesdays for the senior surgical group. Emphasis in these smaller clinics is placed upon the recognition of neurosurgical problems, followed by observation of the operative and post-operative procedures. Weekly x-ray and pathological conferences are held, and these may be attended by interested individuals.

The Tumor Clinic of the Duke Hospital is organized for the study and student teaching of malignant disease. It is staffed by a surgeon, radiologist, and pathologist, who attend all clinics; and consultants in the various specialties are called when a patient with a malignant tumor in their field is registered in the clinic. Students in their senior surgical quarter see all cases registered in the clinic and work them up and have available for teaching not only the clinical background of the Staff but also pathological sections of tumors under the study of the pathologists.

Dentistry. Second-year students, in the sixth quarter, are instructed in the principles of dentistry.

Radiology

The required course in roentgenology for the fourth-year students is given to a section, one hour per week, each quarter. There is general discussion on roentgen differential diagnosis. X-ray and radium therapy cases are presented each week, and problems of treatment and follow-up are discussed. The correlation of surgery and radiology is stressed.

Elective courses in x-ray interpretation and differential diagnosis are offered for junior and senior students, in limited numbers, on Tuesday and Thursday throughout the four quarters, from 9:30 to 10:30 A.M. The correlation of general medicine and x-ray and the value of x-ray in clinical diagnosis are stressed. A pediatric x-ray conference is held on Friday mornings from 11:00 to 12:00 throughout the year, in the Pediatric Conference room. The pediatric resident presents all cases who have had x-rays during the week. A surgical house staff conference is held each alternate Tuesday night from 7:30 to 8:30, and a similar conference with the medical house staff on the alternate Wednesday nights from 8:00 to 9:00. All cases with interesting x-rays are discussed.

Obstetrics and Gynecology

Second-year students receive seventeen hours of instruction in the fundamentals of obstetrics and gynecology during their course in physical diagnosis in the sixth quarter. Clinics and demonstrations for junior and senior students are held on Saturdays at 10:30 A.M. during the Autumn, Winter, and Spring Quarters and on Mondays at 11:30 A.M. in

the Summer Quarters. During one quarter of the *junior* year each group of students attends ward rounds at 8:30 A.M. on Mondays, Wednesdays, and Saturdays, and the Public Dispensary at 1:30 P.M. three times weekly, for eleven weeks. They also attend an endocrine clinic once a week for eleven weeks during the *junior* year. The students also spend part of each day on the wards. *Senior* students, during their surgical quarter, have ward rounds on obstetrics and gynecology on Saturdays at 8:30 A.M. Each *senior* student, during his senior surgical quarter, is required to spend two weeks on service with the Outside Obstetrics Training Group at Charlotte, N. C. This group is active in the antepartum care, in the delivery of the patients, and in the postpartum care of patients registered by the Maternity Clinic of that city. The group is under the direction of a trained obstetrician.

Elective courses in the diagnosis and treatment of obstetric and gynecological conditions are offered for *junior* and *senior* students.

Pediatrics

Each *second-year* student receives nine hours of instruction in elementary pediatrics during the course in physical diagnosis in the sixth quarter. *Junior* and *senior* students, during their medical quarters, have pediatric ward rounds on Saturdays, from 8:30 to 9:30 A.M. The *senior* students are divided into three groups, each of which spends one quarter in pediatrics. During this quarter they are assigned daily as clinical clerks on the children's ward, nursery and pediatric dispensary; attend ward rounds at 8:30 A.M. on Mondays, Wednesdays, and Fridays; are instructed in the practical nursing of infants by Miss Sherwood on Mondays at 9:30 A.M.; and are taught the preparation of diets for infants and children by the Professor of Dietetics. Each student attends infant feeding clinics on Fridays during this quarter. On Thursdays at 11:30 A.M., the *junior* and *senior* students attend demonstrations at which the pre-clinical basis, as well as the clinical aspects, of disease are emphasized. *Elective courses*: *senior* students may assist in the treatment of pediatric patients in the syphilis clinic on Thursdays at 9:00 A.M., do research work, or assist in the pediatric ward or dispensary one or more mornings per week, according to the time at their disposal.

Legal Medicine and Toxicology

This course embraces a discussion of the relation of physicians to legal criminal procedures, jurisdiction of the coroner and medical examiner, laws governing the dead human body, personal identity of the living and the dead, the medicolegal autopsy, traumatic injuries and fractures, rape, abortion, asphyxial death, homicidal, suicidal, and industrial poisoning, alcoholism, the examination of blood, stains, fibers, and the detection of malingering. The course is open to *junior* and *senior* students, and is given in alternate years. Discussions of medicolegal problems for the house staff and *senior* students, and joint conferences of the medical and law students also are held.

Preventive Medicine and Public Health

Public Health and Hygiene. A lecture course is given in the second year to acquaint the students with general environmental sanitation including sewage disposal, water supplies, milk and food for rural and urban communities. Vital statistics, public health regulations, and various official public health organizations also are discussed. Exercises in the epidemiology of several diseases are introduced to give the student a broad view of disease and its prevention. *Field Demonstrations.* Visits for observation and instruction are made to state, county, and city health departments, infant and school hygiene clinics, dairies, public water supplies, sewage disposal plants, and industrial establishments. Seminars are held in which the students discuss the various problems encountered in their field experience. *Preventive Medicine.* A series of lectures and exercises is given during the senior year to provide students with the preventive point of view in the practice of medicine. The problems of infant and maternal hygiene, occupational diseases, the deficiency states, and the etiology, transmission, epidemiology and prevention of communicable diseases are considered. Emphasis is placed upon the relationship of the private practitioner of medicine to the public health program. *A Laboratory Course* given in the fourth quarter by the Department of Bacteriology consists of the identification and virulence testing of diphtheria cultures; the isolation of stool, throat, and blood organisms; the practical examination of water; Schick, Dick, and tuberculin tests; and vaccination against typhoid-paratyphoid fever and smallpox. *Elective:* Through the co-operation of several city and county health officers, students may spend one or more weeks in observing and assisting in the operation of these public health units. Senior students may elect one month's Fellowship in Public Health in Michigan offered by the Kellogg Foundation, if they have permission from the head of the department of the quarter concerned and make up the time afterward.

CURRICULUM OF THE SCHOOL OF MEDICINE

The usual four medical school years of thirty-three weeks each have been accelerated, during the war, into three calendar years of forty-four weeks each.

Every effort is made to emphasize the close relationship of preclinical and clinical instruction. Members of the Clinical Staff assist in the teaching of preclinical subjects, and demonstrate to the students of the first two years, patients whose conditions illustrate the subjects being taught. Thus, from the student's first days, he is impressed with the interdependence of all branches of the medical science. In the junior and senior years, preclinical instructors assist the Clinical Staff in presenting the underlying basis of disease.

The free time in this curriculum may be spent in elective work or anything else which the student wishes to do. No credits are given for specific courses during this free time. The opportunity merely is provided for each student, on his own initiative, to obtain the additional training

which he may feel to be necessary or desirable. It is hoped that many of the students will migrate to other medical schools in this country for one quarter, a practice which is encouraged. The students also may utilize their free time in elective courses in preclinical and clinical departments and may pursue independent work in any subject or may do research work. The elective courses have been organized for small groups and will be repeated, if necessary, in one or more quarters. Students who wish to spend one or more quarters at other medical schools or to substitute a program different from that listed below, must obtain permission, in advance, from the Curriculum Committee.

CURRICULUM OF FOUR QUARTERS OF ELEVEN WEEKS EACH

(The hours for these courses will be posted on the bulletin board.)

FIRST YEAR

SUMMER QUARTER (1st) :

July 6 to September 19, 1942.

Anatomy (including histology and neuroanatomy)	385 Hours
Biochemistry	44 Hours

AUTUMN QUARTER (2d) :

October 5 to December 19, 1942.

Anatomy (including histology and neuroanatomy)	165 Hours
Biochemistry	176 Hours
Free time	88 Hours

WINTER QUARTER (3d) :

January 7 to March 24, 1943.

Physiology and pharmacology, including nutrition	330 Hours
Introduction to Neuropsychiatry	11 Hours
Free time	88 Hours

SECOND YEAR

SPRING QUARTER (4th) :

April 1 to June 16, 1943.

Pathology	198 Hours
Bacteriology and Parasitology	150 Hours
Free time	81 Hours

SUMMER QUARTER (5th) :

July 8 to September 22, 1943.

Pathology	183 Hours
Clinical microscopy	110 Hours
Public health and hygiene	37 Hours
Free time	99 Hours

AUTUMN QUARTER (6th) :

October 7 to December 22, 1943.

Physical diagnosis and introduction to clinical medicine	300 Hours
Free time	129 Hours

JUNIOR YEAR

WINTER QUARTER (7th) :*

January 6 to March 22, 1944.

Medicine (Junior)	429 Hours
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SPRING QUARTER (8th) :*
March 30 to June 14, 1944.

Surgery (Junior) 429 Hours

SUMMER QUARTER (9th) :*
July 6 to September 20, 1944.

Obstetrics and Gynecology (Junior) 346 Hours

Neuropsychiatry 83 Hours

SENIOR YEAR

AUTUMN QUARTER (10th) :*
October 5 to December 20, 1944.

Medicine (Senior) 429 Hours

WINTER QUARTER (11th) :*
January 4 to March 21, 1945.

Surgery (Senior), including urology and orthopaedics..... 307 Hours

Obstetrics 122 Hours

SPRING QUARTER (12th) :*
March 29 to June 13, 1945.

Pediatrics 191 Hours

Surgery 41 Hours

Final clinical examinations 24 Hours

Preventive medicine 22 Hours

Neuropsychiatry 41 Hours

Free time 110 Hours

SUMMARY

Total number of hours in curriculum..... 5,148

* The clinical instruction is repeated each quarter in order to utilize all the clinical material and to have small groups of students. Consequently, students may vary the order of the seventh, eighth, and ninth quarters, and also the order of the tenth, eleventh, and twelfth quarters. The above schedule merely illustrates the program of one group. The class which enters April 1, 1943, will follow a similar schedule starting with anatomy in the Spring Quarter (April 1 to June 16, 1943).

FEES AND EXPENSES

All fees for each quarter are due and payable at the beginning of each quarter, and no student will be admitted to classes until these fees have been paid at the University Treasurer's Office. A fine of \$5.00 is charged for late registration. No credit will be given for any quarter in which the tuition of \$150 has not been paid at the Treasurer's Office, whether the work has been done here or elsewhere, except that students who have been permitted by the Curriculum Committee to spend a quarter at another medical school or hospital may subtract the amount of tuition paid at this other medical school or hospital from the \$150 due here for that quarter.

It is not advisable for a student to attempt outside work to defray his expenses; the results usually are disastrous to his health and academic standing.

Fees and Expenses

Tuition, per quarter	\$150
Health Fee, per quarter	3.33
Athletic Fee, admitting students to all athletic contests held on the University campus during the quarter	5
Room-rent, per quarter* (estimated)	50
Board, per quarter (estimated)	75
Laundry, per quarter (estimated)	10 to 20
Books, per quarter (estimated)	25 to 50
Commencement and Diploma Fees**	8
National Board of Medical Examiners Fees** \$25 (Part I), \$20 (Part II)	
Microscope, ophthalmoscope, otoscope, and other equipment, which are required of each student and which must conform to rigid standards, may be obtained on a rental basis from the University	20 to 30
Estimated total expenses, per month	115 to 150

ANGIER B. DUKE MEMORIAL AND OTHER LOAN FUNDS

The Angier B. Duke Memorial, Incorporated, administers through an advisory committee of the officers of the University a loan fund for students. In addition, the loan funds of the W. K. Kellogg Foundation and the Division of Education of the Federal Security Agency are available for students who are not financially able to meet their expenses. Medical students, after their third quarter, are eligible for loans from these sources. No scholarships are awarded in the School of Medicine. The loan funds are administered in accordance with the following regulations:

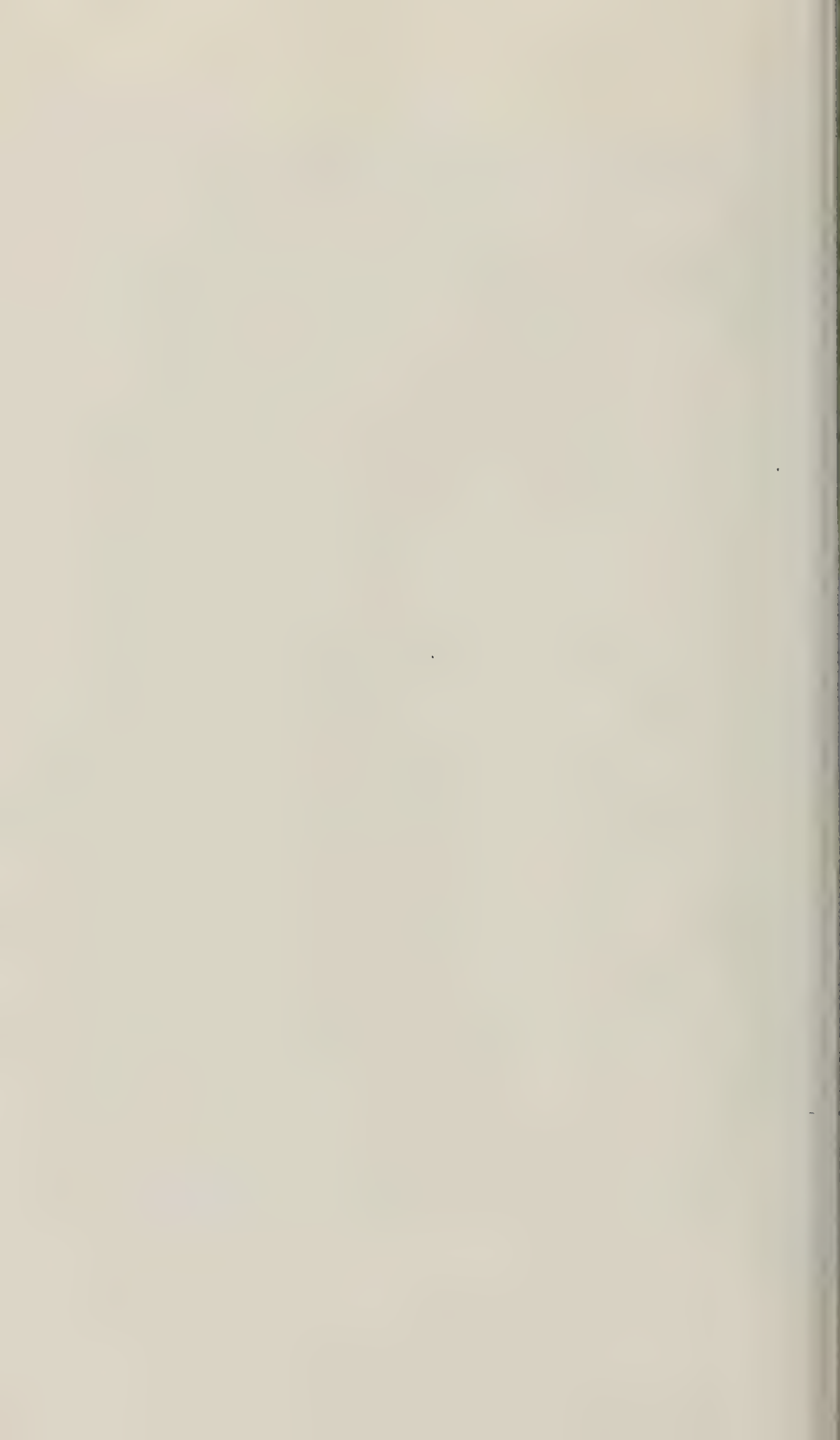
* Rooms may be reserved by medical students in Few Quadrangle. These rooms are provided with furniture, heat, electric light, and care of rooms; each student furnishes his own blankets, sheets, pillow-slips, towels, and pillows. Applications for rooms, accompanied by a reservation fee of \$25, should be made by writing to Mr. W. E. Whitford, Duke University, Durham, N. C.

** Payable at the beginning of the quarter in which a student is eligible for a degree or examination.

1. No loan will be made to a student who violates any of the regulations of the University or who is not doing outstanding classwork.

2. Loans will be made only to students who are taking full courses of study that lead to a degree, and all loans must be arranged not later than one week after the beginning of a quarter.

3. Every applicant for a loan must present with the application such security as the President of the University may approve, and no money will be advanced before a note with approved security is in the hands of the Treasurer of the University.



THE SCHOOL OF NURSING

MARGARET ISABEL PINKERTON, R.N., B.S.

Dean

1942-1943

ANNOUNCEMENTS FOR 1943-1944

1943 Autumn Quarter begins September 27, ends December 20; Winter Quarter begins January 3, 1944, ends March 26; Spring Quarter begins March 31, ends June 22; Summer Quarter begins July 3, ends September 24.

THE SCHOOL OF NURSING

GENERAL INFORMATION

The School of Nursing of Duke University was established in 1925 in connection with the School of Medicine of the University and Duke Hospital through the munificent gift of the late James B. Duke.

The plan of the School is to give a sound basic course in Nursing Education which will prepare young women to give intelligent nursing care to the sick in hospitals and homes of the community as well as an introduction to the problems of community health and preventive medicine.

FACILITIES FOR INSTRUCTION

The facilities for instruction include the undergraduate colleges and graduate schools of the University, the School of Medicine, and Duke Hospital.

LIBRARIES

The reference library of books and periodicals of special interest to students majoring in nursing is located in the Hospital Library. An auxiliary library, which is used chiefly by freshmen, is in the Nurses' Home. Students may use the general libraries on the East and West campuses.

RESIDENCE

The students are housed in the fireproof residence located near the Hospital. It is adequately equipped with blankets and linen, making further provision by the student unnecessary.

HEALTH REGULATIONS AND PHYSICAL EDUCATION

The School has general supervision of the student's health. All physical defects, such as defective vision, dental needs, etc., must be corrected before admission to the School. The student must have been immunized against typhoid fever and vaccinated against smallpox during the current year. All students are required to pass a physical examination before admission to the School of Nursing and at intervals thereafter, a final examination being given at the end of the course. Exercises for two periods a week during the first quarter are required of all students.

ACTIVITIES OFFERED

Autumn Quarter (October to December): Swimming, tennis, horseback riding, and hiking.

Winter Quarter (January to March): Swimming, basketball, and horseback riding.

Spring Quarter (March to June): Tennis, swimming, and horseback riding.

ADMISSION REQUIREMENTS

Application forms may be obtained by writing to the Dean, Duke University School of Nursing, Durham, North Carolina. They must be typed, a 2 x 2½ inch recent photograph attached, and the application returned to the Dean as soon as possible. Applications are considered in the order received. If the information is satisfactory, a personal interview with the Committee or Regional Representative will be arranged for the applicant. The candidate is notified as soon as possible whether she has been accepted or declined; if accepted, the student must send in a deposit of twenty-five dollars (\$25) within two weeks to insure enrollment. This deposit is applied toward her tuition, but is not refunded if the student withdraws her application. The applicant must be within four months of her eighteenth birthday when entering the Duke School of Nursing.

The formal requirements for admission are as follows: thirty semester hours of college credit which must include the following: Chemistry (4 semester hours minimum); Zoology or Biology (4 semester hours minimum); Psychology or Sociology (3 semester hours minimum); and the remaining semester hours to be made up with English, History, Foreign Language, or Mathematics.

During the national emergency, a class is being admitted every nine months. The next entrance dates are April 1, 1943, and January 27, 1944. A temporary change has been made in the admission requirements for the duration: one-half or one-quarter year of college credit, which must include at least one semester of general college chemistry, will be accepted. If an applicant enters with this minimum requirement, she will not be eligible for the degree program until she offers the college credits formerly required for admission.

FEES

A yearly tuition fee of \$100.00 is required: the first year \$25.00 upon acceptance by the School, \$25.00 upon registration, and \$50.00 on October 1; the second and third years, \$50.00 on October 1 and \$50.00 on April 1. Twenty-five dollars will be refunded to students who leave the School within one month of registration. There is no charge for room, board, laundry, and uniforms. Estimated additional expenses for the first year, including textbooks, are \$30.00; for the second, \$15.00; and for the third, \$15.00. There are a graduation fee of \$8.00; a room key deposit of \$1.00; a publications fee of \$5.00; a fee of \$4.50 before admission for pre-entrance tests.

LOAN FUND

Through the generosity of the Kellogg Foundation, loan funds sufficient to cover tuition costs are available to students who demonstrate a real need, and who are qualified.

READMISSION

Students who are absent for more than one month on account of illness or have leave of absence may be readmitted to the same or a succeeding class at the discretion of the Committee.

VACATIONS

Each year is divided into four quarters of three months each. First-year students have vacations of two weeks at Christmas and two weeks during the summer. Junior and Senior students have vacations of one month each.

COURSES OF INSTRUCTION

This is a condensed description of courses. For a full description, see Bulletin of the School of Nursing.

Anatomy and Physiology.

DR. YOUNGSTROM, DR. KOHN, MISS BINKLEY, MISS DULIN

Bacteriology.

DR. CONANT, MISS BINKLEY

Chemistry.

DR. TAYLOR, MISS MCINTOSH, MISS DULIN

Diet Therapy.

MRS. ELSIE MARTIN

First Aid.

RED CROSS INSTRUCTOR

Gynecology.

DR. BAYARD CARTER, ASSOCIATES, MRS. RUTH WILSON

Health Education.

MISS DULIN

History of Nursing.

MISS BINKLEY

Medical and Surgical Nursing I and II.

PHYSICIAN LECTURERS, MISS WEHUNT, MISS INGRAHAM

Medicine and Surgery Advanced.

CLINICAL SUPERVISORS

Nursing Arts I.

MISS BURNHAM AND ASSISTANTS

Nursing Arts II.

MISS BURNHAM AND ASSISTANTS

Nursing Arts III.

MISS BURNHAM AND ASSISTANTS

Nutrition and Cookery.

MRS. ELSIE MARTIN

Obstetrics.

DR. BAYARD CARTER, MRS. RUTH WILSON

Operating Room Technique.

MISS M. BATCHELDER

Pediatrics.

PHYSICIAN LECTURERS, MISS M. SHERWOOD

Elementary Pharmacology.

MISS MCINTOSH, MISS DULIN

Pharmacology.

MISS MCINTOSH

Posture and Massage.

MISS GORDON

Professional Adjustments I.

MISS PINKERTON

Professional Adjustments II.

MISS PINKERTON AND SPECIALISTS

Psychiatric Nursing.

DR. LYMAN, MRS. RIDDLEBERGER

Psychology.

DR. LUNDHOLM, MISS MCINTOSH

Introduction to Public Health Nursing.

DR. BROWN, MISS R. HAY, MISS M. BLEE

Sociology of Nursing.

MISS MCINTOSH, MISS BARKER



THE SCHOOL OF FORESTRY

CLARENCE F. KORSTIAN, B.S.F., M.F., M.A., PH.D.

Dean

1942-1943

ANNOUNCEMENTS FOR 1943-1944

FORESTRY IN DUKE UNIVERSITY

GENERAL STATEMENT

Forestry in Duke University began early in 1931, when, through placing the Duke Forest under intensive management for forestry purposes, a substantial beginning was made in laying the foundations for educational work and research in forestry.

An academic-forestry curriculum, designed for students intent upon pursuing the study of forestry, particularly as a profession after graduation, was organized in Trinity College of Duke University in 1932 (see *Announcement on Undergraduate Instruction in Duke University*). This four-year course of study provides only for instruction in fundamental and auxiliary subjects basic to a proper understanding of the highly specialized work in technical forestry. Duke University offers no professional degree in technical forestry available to undergraduates.

Training in technical forestry leading to the professional degrees, Master of Forestry and Doctor of Forestry, is offered in the School of Forestry, and is open to all graduates of the pre-forestry curriculum in Trinity College and to graduates of recognized scientific schools or colleges, universities, and professional schools of forestry.

Duke University is also prepared to offer, through the Graduate School of Arts and Sciences, graduate work in the more scientific aspects of forestry leading to the Master of Arts and Doctor of Philosophy degrees. This work is available to graduates of schools of forestry of recognized standing, and to college or university graduates holding the Bachelor's degree with their major work in appropriate scientific subjects. Undergraduate subjects which the college student, who does not have forestry training but who is contemplating work toward either degree in forestry, should take in preparation for this work may be illustrated as follows: at least two full years in botany, including general morphology or anatomy, the taxonomy, physiology, and ecology of plants; at least one course in zoology or general biology; courses in chemistry, physics, geology, economics, mathematics; and at least two years of French or German.

Several staff members of the Appalachian Forest Experiment Station are engaged in co-operative research projects in the Duke Forest. Specialists from this station and other prominent members of the U. S. Forest Service and representatives of forest and wood-using industries give occasional scheduled lectures at the School.

EDUCATIONAL FACILITIES

The School of Forestry is located partly in Few Quadrangle and partly in the Biology Building along with the Departments of Botany and Zoology. The administrative offices, two classrooms, and the forest

mensuration and statistical laboratory are in Few Quadrangle, while other laboratories and offices and the School Library are in the Biology Building. The Biology Building contains, in addition to classrooms, laboratories, and offices, a library, three refrigerated rooms, an incineration room, a workshop, and eight dark-rooms. The School is provided with instruments and tools for use in both field and laboratory work in silvics, silviculture, and forest mensuration. Modern surveying instruments and accessory equipment are available for work in forest surveying.

Laboratories for work in wood anatomy and properties are provided with microtechnique and photomicrographic instruments, wood-working machinery, a Henderson dry kiln, and a 50,000 pound Olsen Universal timber-testing machine. A modern forest soils laboratory equipped for physical and chemical studies is available. In the field of seasoning and preservation of wood a commercial-sized, single-compartment dry kiln and a fully equipped experimental pressure treating cylinder are available for instruction and research.

Facilities are also available for advanced work in plant physiology, plant anatomy, plant taxonomy, genetics, plant ecology, plant pathology, and the several branches of zoology. Many rooms in the Biology Building are equipped with vacuum, compressed air, direct and alternating electric current, gas, and running water.

The forestry section of the Library contains a growing collection of material on forestry, soils, and closely related subjects. It includes important books and periodicals in English and in French, German, and certain other foreign languages. The Library is well provided with American material, including Federal and State documents and reports. Over 150 periodicals and serials of importance in forestry and related fields are received by subscription or exchange.

Greenhouses, connected to the Biology Building through a soil-storage and work room, provide adequate space for experimental work.

A nursery has been established by the University for the joint use of the Sarah P. Duke Floral Garden, the Botany Department, and the School of Forestry. The forestry section of this nursery is used mainly for the growing of planting stock for the Arboretum and trees needed for research or other special purposes.

THE DUKE FOREST

The Duke Forest, located in Durham and Orange counties, North Carolina, consists of three main units: namely, the Durham, New Hope Creek, and Hillsboro divisions. Early in the development of Duke University it was recognized that the possession of such an area offered an unusual opportunity for the development of educational work in forestry.

Situated on the lower Piedmont plateau at elevations ranging from 280 to 650 feet, and composed of second-growth shortleaf and loblolly pines, oak, gum, hickory, maple, yellow poplar, ash, and other hardwoods, the Forest is representative of the various types of timber growth found throughout the region. Over a hundred different species of trees are

found within or near the Forest. The land is rolling and there is relatively little rock outcrop, swamp, or other land of low productivity for timber growing. The total area of the Forest proper, exclusive of the University campus, is approximately six thousand acres.

THE ARBORETUM

A feature which will be of outstanding value in the teaching of both forestry and botany in the future is the provision for development of an arboretum. In their annual meeting on June 4, 1934, the Board of Trustees of Duke University, upon the recommendation of their Forestry Committee, voted to set aside permanently an area of over three hundred acres in the Forest to be used for arboretum purposes. The area lies adjacent to the main University campus immediately across the road from the Chapel.

Through the generosity of the late W. W. Flowers, of New York, a member of the Class of 1894 and a Trustee of the University, it has been possible to develop preliminary plans and to make a number of plantings. This is naturally a long-time project, and many years will elapse before the Arboretum will be most useful and most attractive. The University Trustees' Committee on Forestry in their report to the Board refers to the Arboretum as follows:

"The Arboretum should serve as a station for the study of trees and woody plants as individuals and in small groups in their scientific relations, economic properties, and cultural characteristics, requirements, and possibilities. It should render an economic service by acting as a research laboratory where trees and shrubs can be studied from the viewpoint of a fuller utilization of their commercial possibilities. It should render a cultural service by serving as a center where foresters, landscape architects, nurserymen, gardeners, and the general public may increase their knowledge of indigenous trees and shrubs and where they may become acquainted with the foreign species that can be grown here. Within the University the Arboretum will supply living specimens and material for several branches of botany and forestry."

The development of the Arboretum will proceed along these lines as rapidly as available funds and planting stock will permit.

FELLOWSHIPS, SCHOLARSHIPS, AND RESEARCH ASSISTANTSHIPS IN FORESTRY

A number of fellowships, scholarships, and research assistantships are available to men who offer promise of becoming leaders in the forestry profession. These will be awarded for high character and marked scholastic ability as judged by education, experience, and personal references.

Holders of the awards will pay tuition and such additional fees as are regularly required.

The awards are of three classes with stipends and special conditions as follows:

(1) Fellowships of \$400 and \$600 each. Each recipient must have previously completed work equivalent to that required at Duke University for a Master's degree with major in forestry or in a discipline basic to forestry. He will devote his entire time to an approved program of study and research in any of the branches of forestry. He is expected to become a candidate for the degree of Doctor of Forestry or Doctor of Philosophy.

(2) Scholarships of \$250 each. Each recipient will normally devote his entire time to an approved program of study leading to the degree of Master of Forestry or Master of Arts with a major in forestry.

(3) Research assistantships of \$500 each. Each recipient will devote half-time to field, laboratory, or other work of the research program of the School of Forestry. He will be permitted to enroll for not more than 20 semester hours in a school year on a program of study, or study and research, leading to the degree of Master of Forestry, Master of Arts, Doctor of Forestry, or Doctor of Philosophy.

The following arrangements are common to all fellowships, scholarships, and research assistantships in forestry:

(1) Each applicant must have received a Bachelor's degree from an acceptable professional school of forestry or must be a graduate of a recognized college or university. If an applicant is not a graduate of a school of forestry he must have had major work in botany or soil science and in the allied basic sciences. Each applicant must show reasonably high scholarship. Preference will be given to men who have already obtained technical or professional training in forestry.

(2) It is highly desirable that each applicant state as specifically as possible the field in which he wishes to study. The definite selection of a major field of work—one that is specific in purpose and involves training both in fundamentals and in technique—is very helpful to the Committee on Awards.

(3) Application blanks for fellowships, scholarships, and research assistantships may be obtained by writing to the Dean of the School of Forestry, Duke University, Durham, North Carolina. When the blank has been filled out by the applicant, it should be returned to the above address, and an *official transcript of record* showing college or university credits must accompany it or be forwarded promptly. The application and transcript must be filed not later than March 1 for consideration for the following academic year. In case vacancies occur, applications submitted on a later date may be considered.

REQUIREMENTS FOR ADMISSION TO THE SCHOOL OF FORESTRY

The following general requirements of the School of Forestry apply to candidates for the Master of Forestry degree:

Admission to the School of Forestry presupposes that the applicant is either a graduate of a scientific school, college, or university of high standing, but without professional training in forestry; or that he is a

graduate of a professional school of forestry of recognized standing. He will present not less than four years of credit of collegiate grade, with at least as many quality-points as hours.¹

An applicant with no professional training in forestry will present a certified transcript of his academic record showing that he has had conferred upon him a degree in arts, science, or engineering; and that he has satisfactorily completed undergraduate work in minimum amount as follows:

One year of botany, including the morphology, physiology, and identification of plants.

One year each of English and of chemistry.

One course each in physics and in the principles of economics.

Mathematics, through college algebra and trigonometry.

It is urged that an applicant without professional training in forestry present additional credits in the above subjects and in one or more of the following subjects: soils, geology, mineralogy, petrology, climatology, surveying, languages (particularly German and French), sociology, political science, philosophy, psychology, and zoology.

An applicant who is a graduate of a professional school of forestry of recognized standing will present a certified transcript of scholastic record showing the award of a degree. Before registering for the first semester of residence, such applicants will be required to select the branch or branches of forestry in which they wish to concentrate the major part of their work and to prepare their proposed programs in conference with the appropriate faculty adviser.

Students must make application for admission in advance of the opening of the school year. Those students entering without acceptable courses in plane surveying, forest surveying, and forest mensuration must take the twelve weeks of work in these subjects in the Summer Session, and are required to submit their applications prior to May 1. Students entering with advanced standing in surveying and forest mensuration should make application before September 1. Application blanks will be sent upon request made to the Dean of the School of Forestry.

REQUIREMENTS FOR THE DEGREE OF MASTER OF FORESTRY

The degree of Master of Forestry (M.F.) is conferred upon students who have satisfactorily completed two years of study in technical forestry and one term of twelve weeks' work in plane surveying, forest surveying, and forest mensuration in the Summer Session. In addition to the summer school work a total of not less than sixty semester hours' credit is required for the M.F. degree, of which at least fifty-five shall be obtained in the School of Forestry. Each student must obtain at least as many quality-points as semester hours' credit under the quality-point system described in footnote 1 of the preceding section.

¹ Grades for each hour of college credit and also for credit earned in the School of Forestry are valued in quality-points as follows: "A," 3 points; "B," 2 points; "C," 1 point; "D," no points; and "F," no credit and -1 point.

A two weeks' field trip to typical timber-harvesting, manufacturing, and other forestry operations in the South is conducted by the School and is required as a part of the work in Forest Products Industries (Forestry 212). Other students in the School of Forestry may be permitted to take this trip as opportunities will be available for special work and observations in other branches of forestry in forest types not represented in the Duke Forest. One semester hour of credit may be earned for participation in the field trip by registering for it in Forestry 212A.

No student may take less than fifteen or more than eighteen hours in any one semester without special permission of the School of Forestry Faculty. The following work will ordinarily be required of all candidates for the M.F. degree:

SUMMER SESSION

	S.H.
Plane Surveying (C. E. S110)	3
Forest Surveying (F. S150)	5
Forest Mensuration (F. S151)	4

FIRST YEAR

<i>First Semester</i>	S.H.	<i>Second Semester</i>	S.H.
Harvesting Forest Products (F. 211)	3	Forest Products Industries (F. 212)	3
Forest Entomology (F. 231)	3	Forest Pathology (F. 224)	4
Sampling Methods (F. 251)	2	Dendrology (F. 254)	2
Dendrology (F. 253)	2	Silvics (F. 264)	3
Wood Anatomy & Properties (F. 259)	3	Electives	
Forest Soils (F. 261)	3		

SECOND YEAR

Silviculture (F. 265)	5	Forest Valuation (F. 282)	3
Forest Economics (F. 279)	3	Seminar (F. 292)	1
Forest Management (F. 281)	4	Thesis	
Thesis		Electives	
Electives			

These are the normal requirements for the Master of Forestry degree, but for the duration of the war emergency a student, upon the recommendation of his adviser and approval by the Faculty, may substitute other available work for such required courses as are not offered while the student is in residence.

Each candidate is required to file in the office of the Dean of the School of Forestry on or before May 1 three copies of a thesis, type-written and bound in accordance with regulations set forth by the Faculty. The thesis shall be based upon an original study made in the field, laboratory, or library.

Work of equivalent grade done in residence at recognized schools of forestry may, with the approval of the Faculty, be accepted as credit toward the M.F. degree. A minimum of one year's residence is required at Duke University. Students who have had satisfactory undergraduate

training in forestry may, with the approval of the Faculty, elect to devote the major portion of their time to research under the supervision of one or more members of the Faculty and prepare a more comprehensive thesis than is required of students entering the School without previous work in forestry. Students in the School of Forestry may take in allied departments of the University as electives certain courses approved by the Faculty.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF FORESTRY

THE DEGREE

The degree of Doctor of Forestry is a research degree. It is based primarily upon evidence of high attainments in a special field of forestry knowledge and upon the production of a thesis embodying the results of original research. It is not based merely upon the completion of a prescribed period of study or upon the obtaining of credit for a given number of courses.

A student who plans to enter upon a program of work leading to the degree of Doctor of Forestry should consult or enter into correspondence with the Dean of the School of Forestry. He will then be advised as to the possibility of obtaining the necessary instruction and supervision of research in the special field desired.

RESIDENCE

The normal period of resident graduate study, following satisfaction of the general requirements for admission to the Duke School of Forestry, is a minimum of two academic years after the student has obtained the graduate professional degree of Master of Forestry, or its equivalent. At least one of these two years of graduate study must be spent in actual residence at Duke University. With the approval of the Faculty of the School of Forestry work of equal grade done in residence at another college or university, or at a research station or institute not connected with a college or university, may be accepted toward a Doctor of Forestry degree. Only in connection with the preparation of the thesis will work be accepted that has been done elsewhere than in residence at a college, university, research station, or institute. A student whose undergraduate work is insufficient in amount or unsatisfactory in character may be required to spend additional time in preliminary courses essential as a basis for the graduate work he proposes to undertake.

Students whose research is concerned with the study of trees and forest stands in the Duke Forest during the growing season may find it necessary to be at the University during the summer.

Credit for one year of work done in regular terms of the Summer Session at Duke University may be given with the approval of the School of Forestry Faculty. Except in unusual cases, graduate work of fragmentary character taken over a long period of years, or work completed

many years before the student becomes a candidate for the degree at Duke University, will not be accepted as satisfying the requirements of residence.

APPLICATION FOR CANDIDACY

No student will be admitted as a candidate for the degree of Doctor of Forestry until he has obtained the professional graduate degree of Master of Forestry or its equivalent, either at Duke University or at a professional school of forestry of recognized standing. A student desiring to become a candidate for the Doctor of Forestry degree is ordinarily required to file with the Dean of the School of Forestry, at the beginning of his graduate work toward this degree, a formal application indicating in which field and under what professor he proposes to carry on research. A committee of the Faculty will then be appointed to supervise the student's work, with the professor in charge of his research as chairman. If and when the committee finds that the preliminary requirements of the major field have been satisfied, the chairman of the committee will report the fact in writing to the Dean of the School of Forestry. In the case of students who come to Duke University for only the last year of graduate work, and in special cases approved by the School of Forestry Faculty, the application for recognition as a candidate for the Doctor of Forestry degree may be filed later than provided above, but not later than October 15 of the academic year in which it is desired that the degree be conferred.

PROGRAM OF STUDY

The program of study of a candidate for the Doctor of Forestry degree will be arranged after consultation with the committee provided for in the preceding section and is subject to the approval of the Dean and Faculty of the School of Forestry. The student must select a major field and one or two minor related fields. Both major and minor may be selected in different branches of forestry or the minor may be taken in a related field in some other school or department of Duke University.

FOREIGN LANGUAGES

A reading knowledge of two foreign languages is required. One language shall be either French or German, and the other optional to fit the requirements of the student's problem. No student may come up for his preliminary examination before having satisfied the language requirements for the Doctor's degree. Foreign language examinations are conducted by the appropriate language department or, in special cases, by a qualified member of the Faculty of Duke University.

PRELIMINARY EXAMINATION

Toward the end of the first full year of graduate work for the Doctor of Forestry degree (or in special cases early in the second year), a preliminary examination of each candidate will ordinarily be held covering

the general field of his studies. This examination will be conducted by the committee in charge of the student's work and will be written. A student who passes the examination will be recognized as a candidate for the Doctor of Forestry degree. A student's major and minor subjects will ordinarily be included in this preliminary examination.

If a student fails on his first examination, he may make a second attempt after six months upon recommendation of his committee and the approval of the Dean of the School of Forestry. Two failures on this examination make the student ineligible to continue work toward the Doctor of Forestry degree at Duke University.

THESIS

The thesis for the Doctor of Forestry degree must be a contribution to knowledge. The subject of the thesis must be filed with the Dean of the School of Forestry on or before October 15 of the academic year in which the candidate desires to take the final examination for his degree. The subject must receive the written approval of the professor under whom the thesis is being written and of the Dean of the School of Forestry. The thesis must be completed to the satisfaction of the major professor. Four typewritten copies in approved form must be deposited with the Dean of the School of Forestry on or before April 15 if the student desires to be examined on the thesis in the same academic year. The title page must be approved by the Dean of the School of Forestry. Two of the copies, the original and a carbon copy, are placed in the School of Forestry library, one copy goes to the major adviser, and one is returned to the student.

The candidate's thesis must be published either in its original form or in a modified form approved by the Dean of the School of Forestry and the committee in charge of the candidate's work. In its published form the title page should include this statement: "A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Forestry in the School of Forestry of Duke University." Ten copies of the published thesis should be deposited in the office of the Dean of the School of Forestry within a reasonable time after publication. The degree will not be conferred until publication of the thesis, in approved form, within three years has been guaranteed in a way satisfactory to the Dean of the School of Forestry and the professor under whom the thesis was written.

FINAL EXAMINATION

The final examination will be on the thesis and on related subject matter and will be oral. Approximately one year must elapse between the dates of the preliminary examination and the final examination, except in special cases approved by the School of Forestry Faculty. Two failures on this examination make a student ineligible to continue work toward the Doctor of Forestry degree at Duke University. The second examination may be given only upon the recommendation of the professor

in charge of the thesis and the approval of the Dean of the School of Forestry.

GRADING

Members of the Faculty are expected to report grades of graduate students to the School of Forestry Office not later than February 15 for the first semester and not later than June 15 for the second semester on the cards provided for that purpose. An average grade of "B" or better will be required for all work, beyond that for the degree of Master of Forestry, that is to be credited toward the Doctor of Forestry degree. A mark of "Incomplete" may be given when a student has failed, for an acceptable reason, to complete some portion of the required work in which his standing is generally satisfactory. Unless a report is made within one year that the work has been satisfactorily completed, all credit will be lost.

FORESTRY IN THE GRADUATE SCHOOL

Graduate work toward the Master of Arts and Doctor of Philosophy degrees in the more scientific branches of forestry is available to adequately prepared students at Duke University. This work is given through the Division of Forestry of the Graduate School of Arts and Sciences by certain members of the School of Forestry Faculty.

The following special conditions will influence the acceptance of students for graduate study in forestry: The student must have received a degree from a professional school of forestry of recognized standing or from an approved college or university. Graduates of professional schools of forestry must also have had adequate training in liberal arts and sciences, approximating 86 semester hours, before being admitted to candidacy for the Master of Arts or Doctor of Philosophy degrees. College graduates who have had specialized training in botany or soil science and in allied basic subjects, such as physics, chemistry, geology, and zoology, may pursue graduate study and research only in the specialized fields for which their previous work has qualified them.

The Forestry Staff will determine whether a student is qualified to pursue graduate study in any of the special fields of forestry in which work is available.

The Master of Arts and Doctor of Philosophy degrees are attained through scientific work rather than technical or professional training in forestry. Work for these degrees may be pursued only in forest-tree physiology, wood anatomy and properties, forest pathology, forest entomology, silvics, forest soils, forest mensuration, forest management, and forest economics, except that a major cannot be taken in forest management. A student upon registration chooses a field of study which may lie in two or more departments. The members of the Graduate School Faculty best qualified in that field are named as the student's advisory committee, regardless of the department of which they are members. This committee will advise the student in the planning and conduct of his work and will evaluate it when completed.

A reading knowledge of French and German must be acquired early in the course of graduate study in forestry because much of the forestry literature of the world is written in or has summaries in these languages. For the Ph.D. degree the language requirement must be met before the preliminary examination is taken and usually before the preparation of the thesis is begun.

The length of time required for a student to obtain the Master of Arts and Doctor of Philosophy degrees in forestry is determined by the character of his previous work and by the quality of his work in the Graduate School. Upon the recommendation of the Forestry Staff and with the approval of the Council on Graduate Instruction, work of equal

grade done in residence at another college or university, or at a research station or institute not connected with a college or university, may be accepted toward a Ph.D. degree, but at least the last year or the first two years of graduate study must be spent in actual residence at Duke University. Only in connection with the preparation of the thesis will work be accepted that has been done elsewhere than in residence at a college, university, or research station.

Students whose research is concerned with the study of trees and forest stands in the Duke Forest during the growing season may find it necessary to be at the University during the summer.

The field of study may include advanced work in allied subjects as well as advanced work in forestry. The student should have covered, however, most of the basic subjects prior to entering the Graduate School. The required advanced work will depend upon the student's previous training and the special field of study selected. Before beginning his work the student must obtain approval of his proposed program of study, including the plans for the research for his thesis. Courses of study must be correlated with each other and with the thesis research.

For further information on requirements for admission to the Graduate School of Arts and Sciences and on the general requirements for the Master of Arts and Doctor of Philosophy degrees reference should be made to the *Bulletin of the Graduate School of Arts and Sciences*.

COURSES AND SUBJECTS OF INSTRUCTION

This is a condensed description of courses. For a full description, see Bulletin of the School of Forestry.

IN THE SUMMER SESSION

C.E. S110. Plane Surveying.—3 s.h.

PROFESSORS BIRD AND W. H. HALL AND MR. WILLIAMS

S150. Forest Surveying.—Prerequisites: Civil Engineering, S110, plane surveying, or equivalent. **5 s.h.**
[Not offered summer 1943]

ASSOCIATE PROFESSOR MAUGHAN

S151. Forest Mensuration.—4 s.h.

PROFESSOR SCHUMACHER

[Not offered summer 1943]

FOR SENIORS AND GRADUATES

211. Harvesting Forest Products.—3 s.h.

PROFESSOR WACKERMAN

212. Forest Products Industries.—3 s.h.

PROFESSOR WACKERMAN

213. Seasoning and Preservation of Wood.—3 s.h.

PROFESSOR WACKERMAN

214. Marketing Forest Products.—Prerequisites: Forestry 211 and 212, or equivalents. **3 s.h.**

PROFESSOR WACKERMAN

224. Forest Pathology.—Prerequisites: Botany 1 and 2, and Forestry 253-254, or equivalents. **4 s.h.**

PROFESSOR WOLF

231. Forest Entomology.—3 s.h.

PROFESSOR BEAL

236. Forest Game Management.—3 s.h.

PROFESSOR BEAL

251. Sampling Methods in Forestry.—Prerequisite: Forestry S151. **2 s.h.**

PROFESSOR SCHUMACHER

252. Forest Mensuration.—Prerequisite: Forestry 251. **2 s.h.**

PROFESSOR SCHUMACHER

253-254. Dendrology.—Prerequisite: one year of botany. **4 s.h.**

PROFESSOR BEAL

256. Wood Pulp and Pulp Products.—Prerequisites: Forestry 212 and 259, or equivalents. **3 s.h.**

ASSOCIATE PROFESSOR HARRAR

[Probably not offered 1943-44]

257. Design of Forestry Experiments and Analysis of Data.—5 s.h.

PROFESSOR SCHUMACHER

259. Wood Anatomy and Properties.—Prerequisites: one year of botany and Chemistry 1 and 2, or equivalents. **3 s.h.**

ASSOCIATE PROFESSOR HARRAR

[Probably not offered 1943-44]

260. Timber Mechanics.—Prerequisites: Physics 1 and Forestry 259, or equivalents. **3 s.h.**

ASSOCIATE PROFESSOR HARRAR

[Probably not offered 1943-44]

261. Forest Soils.—Prerequisites: Chemistry 1 and 2, and Physics 1, or equivalents; physical geology and analytical chemistry are also desirable. **3 s.h.** ASSOCIATE PROFESSOR COILE

[Not offered 1943-44]

264. Silvics.—Desirable prerequisites: plant physiology, plant ecology, and Forestry 253-254 and 261, or equivalents. **3 s.h.** PROFESSOR KORSTIAN

265. Theory and Practice of Silviculture.—Prerequisite: Forestry 264 or equivalent. **5 s.h.** PROFESSOR KORSTIAN

266. Forest Seeding and Planting.—**2 s.h.** PROFESSOR KORSTIAN

273. Forest Protection.—**2 s.h.** ASSOCIATE PROFESSOR THOMSON
[Not offered 1943-44]

276. Forest Policy.—**2 s.h.** ASSOCIATE PROFESSOR THOMSON
[Not offered 1943-44]

279. Economics of Forestry.—Prerequisite: at least one course in the principles of economics. **3 s.h.** PROFESSOR WACKERMAN

281. Forest Management.—Prerequisites: Forestry S150, S151, and 251, or equivalents. **4 s.h.** ASSOCIATE PROFESSOR MAUGHAN

282. Forest Valuation.—Prerequisite: Forestry 281 or equivalent. **3 s.h.** ASSOCIATE PROFESSOR MAUGHAN

292. Seminar.—**1 s.h.** THE STAFF

211A to 282A. Special Studies in Forestry.—Credits and hours to be arranged. THE STAFF

FOR GRADUATES

301-302. Advanced Studies in Forestry.—Credits to be arranged.

a. Silvics.—Prerequisites: Forestry 253-254, 261 and 264 or equivalents. PROFESSOR KORSTIAN

b. Forest Soils.—Prerequisite: Forestry 261 or equivalent. ASSOCIATE PROFESSOR COILE
[Not offered 1943-44]

c. Silviculture.—Prerequisite: Forestry 265 or equivalent. PROFESSOR KORSTIAN

d. Forest Management.—Prerequisite: Forestry 281 or equivalent. ASSOCIATE PROFESSOR MAUGHAN

e. Forest Economics.—Prerequisite: Forestry 279 or equivalent. ASSOCIATE PROFESSOR THOMSON
[Not offered 1943-44]

f. Wood Anatomy and Properties.—Prerequisites: Forestry 259 and 260, or equivalents. ASSOCIATE PROFESSOR HARRAR
[Probably not offered 1943-44]

g. Forest Mensuration.—Prerequisites: Forestry S151, 251, and 252, or equivalents. PROFESSOR SCHUMACHER

h. Forest Entomology.—Prerequisite: Forestry 231 or equivalent. PROFESSOR BEAL

i. Forest Utilization.—Prerequisites: Forestry 211 and 212, or equivalents. PROFESSOR WACKERMAN

j. **Dendrology.**—Prerequisite: Forestry 253-254 or equivalent.

[Probably not offered 1943-44]

ASSOCIATE PROFESSOR HARRAR

311. **Advanced Forest Utilization.**—Prerequisite: Forestry 211 or equivalent. 2 s.h.

PROFESSOR WACKERMAN

323-324. **Advanced Forest Pathology.**—Prerequisites: plant physiology and forest pathology. Credits to be arranged.

PROFESSOR WOLF

351-352. **Advanced Physiology of Forest Trees.**—Prerequisites: plant physiology and plant ecology or silvics. Credits to be arranged.

ASSOCIATE PROFESSOR KRAMER

354. **Forest Soil Fertility.**—Prerequisites: Forestry 251 and 261, and plant physiology, or equivalents; bacteriology and analytical and organic chemistry are desirable. 3 s.h.

ASSOCIATE PROFESSOR COILE

[Not offered 1943-44]

356. **Economic Forces in Forestry.**—Prerequisites: Forestry 279 and 282, or equivalents; courses in economic theory are desirable. 2 s.h.

[Not offered 1943-44]

ASSOCIATE PROFESSOR THOMSON

357-358. **Research in Forestry.**—Credits to be arranged.

THE STAFF

FEES AND EXPENSES

The following tables show the general fees and charges collected from all students and the special fees collected from those taking laboratory courses. All fees for each semester are due and payable, unless otherwise specified, at the time of registration at the beginning of that semester, and no student is admitted to classes until arrangements have been made with the Treasurer of the University for the settlement of fees.

GENERAL FEES

Matriculation, per semester	\$ 25.00
Tuition, per semester	100.00
Room-rent—see the detailed statement that follows.	
Athletic Fee, admitting students to all athletic contests held on the	
University grounds, per semester	5.00
Damage Fee, payable annually at the time of first registration	1.00
Medical Fee, per semester	5.00
Library Fee, per semester	5.00
Commencement Fee, payable once by graduate students in the last semester before a degree is conferred	3.00
Diploma Fee, payable by candidates for degrees, at the beginning of the second semester, refunded if the diploma is not awarded	5.00

SPECIAL FEES

Graduate students in the sciences are required to pay the special laboratory fees for courses as fixed by the various departments. An administrative fee is charged in connection with special research in the summer under direction of a member of the Faculty. Special laboratory and materials fees in forestry are as follows:

Forestry 224, 253, 259, 260, 264, 301a, 302a, 357a, and 358a	\$2.50
Forestry 261, 351-352, 354, 301b, 301f, 302b, 302f, 357b, 357f, 358b, and 358f	\$2.50 to \$5.00

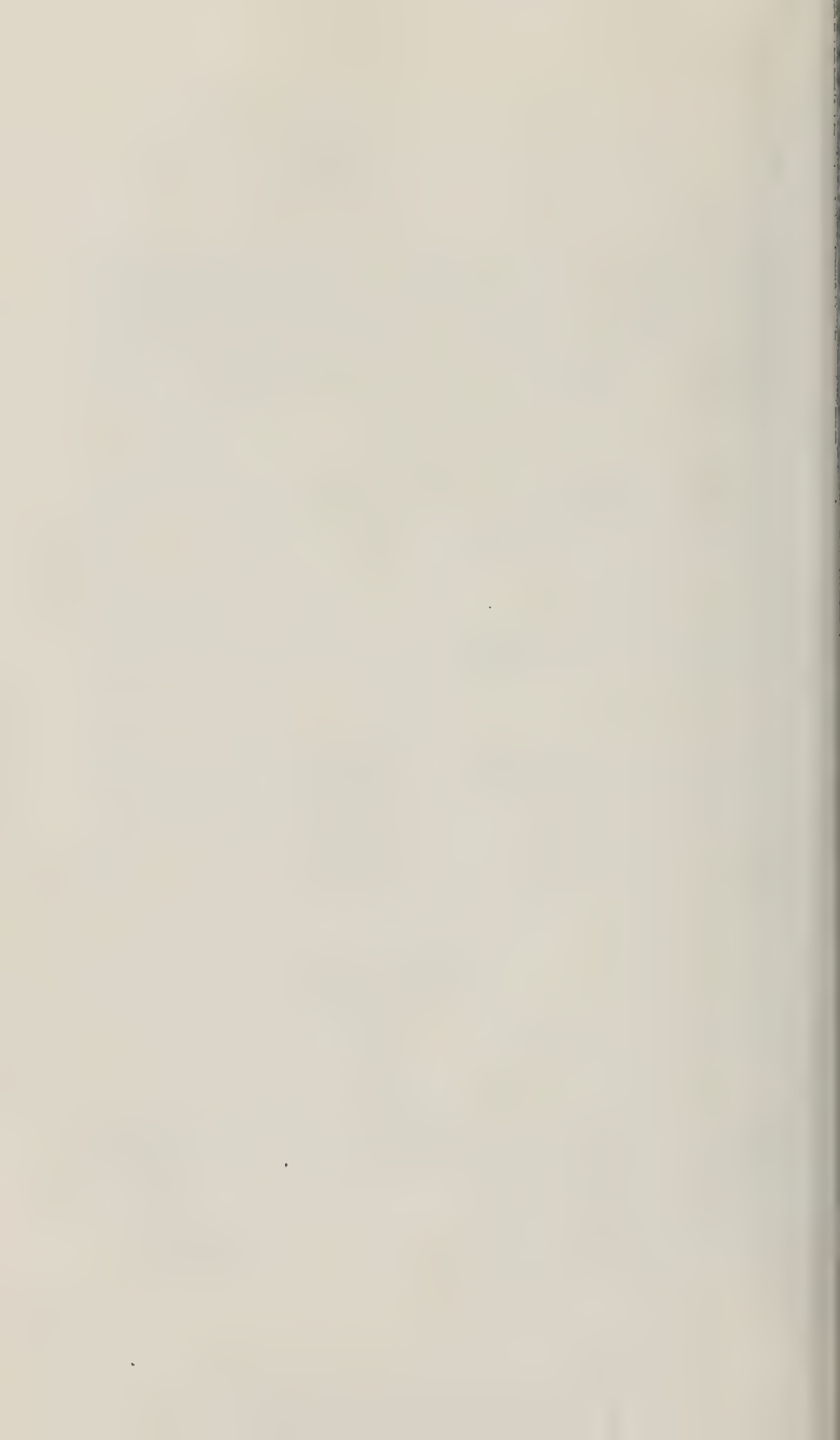
TRANSCRIPTS

A student desiring to transfer from Duke University to another institution is entitled to one transcript of his record. A charge of one dollar is made for each additional copy.

PAYMENTS TO FELLOWS AND SCHOLARS

Payments by the University of stipends to fellows, research assistants, and scholars are made in four installments, on November 25, January 25, March 25, and May 25.* Fellows and scholars are required to pay the regular tuition fee and such additional fees as are ordinarily required of graduate students.

* This date of payment will be adjusted to accord with the advancement in the date of Commencement.



THE SUMMER SESSION

HOLLAND HOLTON, A.B., J.D.
Director

1943

First Term: June 8 to July 19
Second Term: July 20 to August 28
Summer Quarter: June 8 to August 21

FACULTY OF THE SUMMER SESSION

- ADAMS, DONALD KEITH; A.B., Pennsylvania State College; A.M., Harvard; Ph.D., Yale; PSYCHOLOGY (Duke University).
- ADDOMS, RUTH MARGERY; A.B., A.M., Wellesley; Ph.D., University of Wisconsin; BOTANY (Duke University).
- ARCE, JOSÉ M.; A.B., A.M., Columbia; A.M., Dartmouth; Universidad de Madrid and Centro de Estudios Históricos, 1923-24, 1925-26; Université de Dijon and R. Instituto Superiore di Magistero, Venice, 1924; SPANISH (Dartmouth College).
- BAUM, PAULL FRANKLIN; A.B., Hamilton College; A.M., Ph.D., Harvard; University of Munich, University of Vienna and University of Lausanne, 1909-11; Sorbonne, 1913-14; ENGLISH (Duke University).
- BEVINGTON, MERLE M.; A.B., Muskingum College; A.M., Ph.D., Columbia; ENGLISH (Duke University).
- BIGELOW, LUCIUS AURELIUS; B.S., Massachusetts Institute of Technology; Ph.D., Yale; CHEMISTRY (Duke University).
- BIRD, HAROLD CRUSIUS; Ph.B., C.E., Yale; CIVIL ENGINEERING (Duke University).
- BLACKBURN, WILLIAM MAXWELL; A.B., Furman; B.A., M.A., Oxford; Yale, 1921-22, 1930-31; ENGLISH (Duke University).
- BLUM, JAY W.; A.B., Wooster College; A.M., Ph.D., Princeton; ECONOMICS (Duke University).
- BOOKHOUT, CAZLYN GREEN; A.B., St. Stephens College; A.M., Syracuse University; Ph.D., Duke; ZOOLOGY (Duke University).
- BRADSHER, CHARLES KILGO; A.B., Duke; A.M., Ph.D., Harvard; CHEMISTRY (Duke University).
- BREWSTER, LAWRENCE FAY; A.B., College of William and Mary; A.M., Columbia; Ph.D., Duke; HISTORY (Duke University).
- BROWN, FRANCES; A.B., Agnes Scott College; Ph.D., Johns Hopkins; CHEMISTRY (Duke University).
- BROWN, M. GORDON; A.B., Washington Missionary College; A.M., Emory University; Docteur de l'Université de Dijon; Doctor en Filosofía y Letras, Madrid; SPANISH (Georgia School of Technology).
- BROWNELL, WILLIAM ARTHUR; A.B., Allegheny College; A.M., Ph.D., University of Chicago; EDUCATIONAL PSYCHOLOGY (Duke University).
- CANNON, JAMES, III; A.B., Duke; A.M., Princeton; Th.B., Th.M., Princeton Theological Seminary; Edinburgh University, 1919; Garrett, 1924; D.D., Birmingham-Southern College; RELIGION (Duke University).
- CARLITZ, LEONARD; A.B., Ph.D., University of Pennsylvania; MATHEMATICS (Duke University).

- CARPENTER, DAVID WILLIAMS; A.B., A.M., Ph.D., Duke; PHYSICS (Duke University).
- CARPENTER, JAMES MADISON; A.B., A.M., University of Mississippi; Ph.D., Harvard; ENGLISH (Duke University).
- CARR, JOHN WINDER, JR.; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- CARTER, MARY MARJORIE; A.B., Florida State College for Women; Duke, 1941-43; SPANISH (Duke University).
- CASTELLANO, JUAN RODRIGUEZ; B.A., Instituto Cardinal Cisneros, Madrid; Licenciado en Filosofía y Letras, Doctor en Filosofía, University of Madrid; SPANISH (Vanderbilt University).
- CHILDS, BENJAMIN GUY; A.B., A.M., University of Virginia; University of Virginia, 1921-22; EDUCATION (Duke University).
- CLYDE, PAUL HIBBERT; A.B., A.M., Ph.D., Leland Stanford; HISTORY (Duke University).
- CONSTANT, FRANK WOODBRIDGE; B.S., Princeton; Ph.D., Yale; PHYSICS (Duke University).
- COWPER, FREDERICK AUGUSTUS GRANT; A.B., A.M., Trinity College (Conn.); University of Strasburg, 1906-7; University of Geneva, 1907-8; Ph.D., University of Chicago; FRENCH (Duke University).
- CUNNINGHAM, BERT; B.S., M.S., Illinois Wesleyan; A.M., Duke; Ph.D., University of Wisconsin; ZOOLOGY (Duke University).
- DAVIS, GIFFORD; A.B., Bowdoin College; A.M., Ph.D., Harvard; SPANISH (Duke University).
- FITZGERALD, WILLIAM STONE; A.B., Vanderbilt; A.M., Harvard; Duke, 1934-37; ENGLISH (Duke University).
- GERGEN, JOHN JAY; A.B., A.M., University of Minnesota; Ph.D., Rice Institute; MATHEMATICS (Duke University).
- GILBERT, ALLAN H.; B.A., Cornell; A.M., Yale; Ph.D., Cornell; ENGLISH (Duke University).
- GOHDES, CLARENCE; A.B., Capital University; A.M., Ohio State University; A.M., Harvard; Ph.D., Columbia; ENGLISH (Duke University).
- GOLDTHORPE, J. HAROLD; A.B., Hamline University; A.M., Ph.D., University of Minnesota; EDUCATION (Research Staff, American Council on Education).
- GRAY, IRVING EMERY; B.S., Massachusetts State College; M.S., Ph.D., University of Wisconsin; ZOOLOGY (Duke University).
- GWYNN, PRICE HENDERSON, JR.; A.B., A.M., University of North Carolina; B.D., Yale Divinity School; Ph.D., Yale; EDUCATION (Davidson College).
- HALL, WILLIAM HOLLAND; A.B., A.M., Duke; B.C.E., University of Michigan; M.S.C.E., University of Wisconsin; ENGINEERING (Duke University).
- HART, HORNELL NORRIS; A.B., Oberlin College; A.M., University of Wisconsin; Ph.D., University of Iowa; SOCIOLOGY (Duke University).
- HARWELL, GEORGE CORBIN; A.B., A.M., Ph.D., Duke; ENGLISH (Duke University).

- HIGHSMITH, JOHN HENRY; A.B., A.M., Duke; Columbia, 1904-06; LL.D., Catawba College; D.Ed., Wake Forest College; PUBLIC SCHOOL ADMINISTRATION (Director of Instructional Service, North Carolina State Department of Public Instruction).
- HILLEGAS, MILO BURDETTE; Ph.B., University of Rochester; Ph.D., Columbia; LL.D., University of Vermont; EDUCATION (Columbia University).
- HILLMAN, JAMES ELGAN; B.Ped., Berea College; B.S., A.M., Ph.D., George Peabody College; EDUCATION (Director of Professional Service, North Carolina State Department of Public Service).
- HINTON, WILLIAM ARTHUR; B.S. in M.E., Georgia School of Technology; M.S. in M.E., Yale; MECHANICAL ENGINEERING (Duke University).
- HOBBS, MARCUS EDWIN; A.B., A.M., Ph.D., Duke; CHEMISTRY (Duke University).
- HON, RALPH CLIFFORD; A.B., University of Illinois; A.M., Harvard; Ph.D., University of North Carolina; ECONOMICS (Duke University).
- HUBBELL, JAY BROADUS; A.B., University of Richmond; A.M., Harvard; Ph.D., Columbia; ENGLISH (Duke University).
- JENKINS, RAYMOND; A.B., Cornell; Ph.D., Yale; ENGLISH (Catawba College).
- JENSEN, HOWARD EIKENBERRY; A.B., A.M., University of Kansas; B.D., Ph.D., University of Chicago; SOCIOLOGY (Duke University).
- JOHNSON, MYCHYLE W.; A.B., Ph.D., University of Indiana; ZOOLOGY (Duke University).
- JORDAN, BRADY RIMBEY; Litt.B., Princeton; Ph.D., University of Wisconsin; FRENCH (Duke University).
- KRUMMEL, CHARLES ALBERT; Ph.B., Central Wesleyan College; Ph.M., Syracuse; Ph.D., University of Wisconsin; University of Marburg, 1910; GERMAN (Duke University).
- KRAMER, PAUL JACKSON; A.B., Miami (Ohio); M.S., Ph.D., Ohio State University; BOTANY (Duke University).
- LANNING, JOHN TATE; A.B., Duke; A.M., University of California; University of London, 1926-27; Ph.D., University of California; HISTORY (Duke University).
- LEARY, LEWIS; B.S., University of Vermont; A.M., Ph.D., Columbia; ENGLISH (Duke University).
- LEMERT, BEN FRANKLIN; B.S.E., M.S., Ohio State University; Ph.D., Columbia; ECONOMICS (Duke University).
- LEWIS, RALPH E.; B.S. in M.E., University of Iowa; M.S. in M.E., University of Illinois; ENGINEERING DRAWING (Duke University).
- LUNDEBERG, OLAV K.; A.B., St. Olaf College; A.M., Ph.D., University of Minnesota; Université de Montpellier, 1918; Centro de Estudios Históricos, Madrid, 1929; SPANISH (Duke University).
- MCCLOY, SHELBY THOMAS; A.B., A.M., Davidson College; B.Litt., B.A., Oxford; Ph.D., Columbia; HISTORY (Duke University).
- MCCUTCHEON, FREDERICK HAROLD; B.S., M.S., North Dakota State College; Ph.D., Duke; ZOOLOGY (North Carolina State College).

- MANCHESTER, ALAN KREBS; A.B., Vanderbilt; A.M., Columbia; Ph.D., Duke; HISTORY (Duke University).
- MITCHELL, FRANK KIRBY; A.B., Millsaps College; A.M., University of Michigan; Oriel College, Oxford, 1921-24; ENGLISH (Duke University).
- MYERS, HIRAM EARL; A.B., Duke; S.T.B., S.T.M., Boston University School of Theology; RELIGION (Duke University).
- OOSTING, HENRY JOHN; A.B., Hope College; M.S., Michigan State College; Ph.D., University of Minnesota; BOTANY (Duke University).
- PATTON, LEWIS; A.B., Furman University; Ph.D., Yale; ENGLISH (Duke University).
- PETERSON, MAURINE; B.S., M.S., University of Idaho; HYGIENE (Duke University).
- PROCTOR, ARTHUR MARCUS; A.B., Duke; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- RANKIN, ROBERT STANLEY; A.B., Tusculum College; A.M., Ph.D., Princeton; POLITICAL SCIENCE (Duke University).
- RANKIN, WILLIAM WALTER; B.E., North Carolina State College of Agriculture and Engineering; A.M., University of North Carolina; Harvard, 1914-15; Columbia, 1919-21; MATHEMATICS (Duke University).
- ROPP, THEODORE; A.B., Oberlin College; A.M., Ph.D., Harvard; HISTORY (Duke University).
- SANDERS, CHARLES RICHARD; B.Ph., A.M., Emory University; Ph.D., University of Chicago; ENGLISH (Duke University).
- SAYLOR, JOHN HENRY; A.B., Southern Methodist University; A.M., Ph.D., Duke; CHEMISTRY (Duke University).
- SCATES, DOUGLAS EDGAR; A.B., Whitworth College; Ph.D., University of Chicago; EDUCATION (Duke University).
- SERIS, HOMERO; A.B., Havana Institute; Ph.D., Havana University; Certificat d'Études, Sorbonne; Certificat d'Assiduité, Collège de France; SPANISH (Brooklyn College).
- SHIELDS, JOHN HERMAN; A.B., A.M., University of Texas; Columbia, 1924-26; ACCOUNTING (Duke University).
- SIMPSON, WILLIAM HAYS; A.B., Tusculum College; A.M., Ph.D., Duke; POLITICAL SCIENCE (Duke University).
- SMITH, HILRIE SHELTON; A.B., Elon College; Ph.D., Yale; D.D., Defiance College; Litt.D., Elon College; RELIGION (Duke University).
- SMITH, ROBERT SIDNEY; A.B., A.M., Amherst College; Ph.D., Duke; ECONOMICS (Duke University).
- SPENCE, HERSEY EVERETT; A.B., A.M., B.D., Duke; D.D., Asbury College; Litt.D., High Point College; RELIGION (Duke University).
- STINESPRING, WILLIAM FRANKLIN; A.B., A.M., University of Virginia; Ph.D., Yale; RELIGION (Duke University).
- SYDNOR, CHARLES SACKETT; A.B., Hampden-Sydney College; Ph.D., Johns Hopkins; HISTORY (Duke University).

- THOMPSON, EDGAR TRISTRAM; A.B., University of South Carolina; A.M., University of Missouri; Ph.D., University of Chicago; SOCIOLOGY (Duke University).
- THEISS, ERNEST S.; B.S., M.E., M.S., Case School of Applied Science; MECHANICAL ENGINEERING (Duke University).
- VAN ALSTYNE, DOROTHY; A.B., Vassar; A.M., Ph.D., Columbia; EDUCATION (Duke University).
- VAN VOORHIS, ROBERT HENRY; A.B., A.M., Duke; Duke, 1941-42; ACCOUNTING (Duke University).
- VOSBURGH, WARREN CHASE; B.S., M.S., Union College; Ph.D., Columbia; CHEMISTRY (Duke University).
- WALTON, LORING BAKER; A.B., Princeton; Harvard, 1917-18; Lic. ès L., Sorbonne; Ph.D., University of Chicago; FRENCH (Duke University).
- WARD, CHARLES EUGENE; A.B., Baker University; A.M., Ph.D., Duke; ENGLISH (Duke University).
- WATSON, KARL BRANTLEY, JR.; B.S., A.B., University of Chattanooga; A.M., Ph.D., Duke; EDUCATION (Duke University).
- WEST, ALFRED THURBER; B.S., Alabama Polytechnic Institute; A.M., University of Alabama; Teacher's Certificate from American Academy of Dramatic Art; ENGLISH (Duke University).
- WILLIAMS, JAMES WESLEY; A.B., Duke; B.S. in C.E., Georgia School of Technology; ENGINEERING (Duke University).
- WILSON, ROBERT RENBERT; A.B., Austin College; A.M., Princeton; Ph.D., Harvard; POLITICAL SCIENCE (Duke University).
- WOODY, ROBERT HILLIARD; Ph.B., Emory University; A.M., Ph.D., Duke; HISTORY (Duke University).
- PERSONS, WALTER S.; A.B., Duke; SWIMMING (Duke University).

DUKE UNIVERSITY SUMMER SESSION

In 1942 there was a total registration of 3,004 in the Duke University Summer Session. Of these registrations, 1,460 students were enrolled in the first term of the Summer Session, and 1,001 the second term; 510 were enrolled in the Medical School and School of Nursing; and 33 were enrolled in the Chemistry of Explosives and Communications courses. There were 562 graduate students the first term and 336 the second, admitted on the basis of Bachelor's degrees from 216 different colleges and universities. The total enrollment for the summer was drawn from forty-three states, as well as the District of Columbia, Puerto Rico, Canada, China, Cuba, Guatemala, Nicaragua, the Panama Canal Zone, the Philippines, Argentina, Chile, England, and Scotland. The largest enrollments were from North Carolina, Pennsylvania, New York, Virginia, Florida, South Carolina, Ohio, New Jersey, West Virginia, Georgia, Maryland, Connecticut, Massachusetts, Mississippi, Alabama, and Illinois in the order named. Public school teachers from twenty-eight states were included in the total.

SCOPE AND PLAN OF WORK: CREDITS

Work is offered with the needs of the following classes of students in mind:

1. Candidates for the Master of Arts (A.M.) and Master of Education (M.Ed.) degrees, particularly teachers, supervisors, and administrators in the public schools who desire to complete degree requirements in a series of summers.

2. College undergraduates—men and women—seeking to hasten completion of Bachelor's degrees. (Special care is taken in advising students who are trying to complete degree requirements within three years by using their time in the summer. This matter has become particularly important in view of the national emergency.)

3. High-school graduates—especially boys sixteen and seventeen years old—who wish to begin their work in June or July, instead of waiting until the following September. (In view of the Selective Service Act there will probably be an increasing number of students who desire to enter college this summer instead of waiting until the fall, with the hope either of qualifying for special branches of service or of completing degrees before being called for military service. Special sections of freshman English, mathematics, and science will be offered for these students, to begin June 1 and July 13,* as demand may develop.)

Instead of the traditional one-hour courses for six weeks that compel the student to divide his time among three separate classes, the work of

* It may prove desirable to begin the classes scheduled for July 13 slightly earlier. Persons interested should inquire as to precise date some time after May 25.

the Summer Session is divided into units of three semester hours, each class meeting for eighty-five minutes daily, five days per week for a period of six weeks. No student is permitted to obtain credit for more than two such courses, and no instructor teaches more than two. This means that instructor and student alike are limited to two preparations daily instead of three. The Summer Session also encourages students to take both their courses in one department. Undergraduates particularly are encouraged to take complete units of work within six weeks—that is, six semester hours of freshman English, or of second-year Spanish, or of United States History, or of beginning Accounting, etc. Elementary science courses are so organized that by taking a heavy laboratory schedule, students may obtain credit for eight semester hours within seven weeks. There is no exception to the rule that the University allows no credit for six weeks beyond six semester hours.

Professional credits towards teachers' certificates are granted by the various state boards of education, each in accordance with its own carefully planned rules. Teachers should consult the rules laid down by their State Board of Education before enrolling for certification credit. Any student, however, whose work is of such quality as to deny him credit toward a degree, fails to receive "professional" credit.

College credits are offered as follows: A course meeting one hour daily for six weeks counts for two semester hours of credit, and a course meeting eighty-five minutes daily for six weeks counts for three semester hours of credit. The University will not accept credit beyond six semester hours earned in one term toward the Bachelor's degree. Graduate students are not under any circumstances permitted to enroll for more than six semester hours in a summer term of six weeks. They forfeit graduate credit by undertaking more than six semester hours of work, even though part of the work may carry undergraduate credit only.

The nature of the credit allowed for each course is indicated by the number of the course. Courses numbered 1-49 are primarily for Freshmen, or Freshmen and Sophomores; courses numbered 50-99 are ordinarily for Sophomores, or Sophomores and Juniors; courses numbered 100-199 are for Juniors and Seniors; courses numbered from 200-299 are for Seniors and graduates; and courses numbered from 300 up are for graduate students only and are of very limited enrollment. Courses numbered from 200 up are usually limited in enrollment to approximately twenty-five students, and during the summer consist almost entirely of graduate students. Graduate seminars are limited to fifteen students or fewer.

COURSES FOR ENTERING FRESHMEN AND FOR UNDERGRADUATES DESIRING TO ACCELERATE THEIR PROGRAM

Freshmen, that is both men and women graduates of standard high schools who desire to begin their college work before the fall semester, may enter classes in English or certain other subjects June 1 and complete within six weeks a full year's work in the subject taken. Except for stu-

dents especially desiring science or mathematics and students desiring to enter the "School of Spanish Studies" June 8, English is recommended for all such students. Students who cannot enter June 1 will probably have the same opportunity July 13. Since it is quite possible, however, that in connection with the Navy College program the University may begin a regular semester July 1 or shortly thereafter, it is possible that the demand for the freshman courses planned for July 13 will be so small as to make it unnecessary to offer them. Students interested should write to the Director of the Summer Session, making inquiry as to final plans sometime after May 15.

Undergraduate students of Duke Woman's College and of Trinity College not in the armed services, as well as undergraduates of other colleges desiring summer school courses, will find work both first and second terms of Summer Session, entirely apart from the Navy College program of the University. This is especially important to those students who lack only six or twelve semester hours of completing their degree work. In order to get the courses they prefer, such students should apply promptly.

ADMISSION

Applicants for admission to the Summer Session must meet the same requirements as if they applied in any other part of the University year. Undergraduate men desiring to enter Duke should have transcripts of their courses sent to H. J. Herring, Dean of Trinity College, and undergraduate women should have transcripts sent to Mrs. Elizabeth A. Persons, Secretary of Admissions to the Woman's College, at least two weeks before the opening of the term for which they wish to enroll, if they wish to be sure of classification before registration day. Until definite acceptance and classification by the Dean's Office they are not regularly enrolled students. Undergraduate students of other colleges should write the Director of Summer Session for a special blank to be signed by the dean of their college certifying approval of the course for which they apply.

If students wish to enroll for graduate courses, they should request the proper officials of the universities or colleges which they have attended to send directly to the Dean of Graduate School, Duke University, official transcripts of their undergraduate records and of any graduate credits they may have. These transcripts should be furnished two weeks before the beginning of the term for which the students wish to enroll if they wish classification before registration day. Students whose credentials are not filed in time to be evaluated before registration day will be admitted provisionally to classes for which they indicate preparation, with the understanding that no credit will be allowed until admission requirements have been met. All such provisional registrations should be cleared within ten days of entrance.

The Summer Session reserves the right to reject any application or cancel any registration without assignment of reason.

FLEXIBILITY OF CALENDAR

It will be observed that the Summer Session of the University offers the students considerable flexibility as to the time of registration and the length of residence obtainable. For example, although most first-term classes will begin Wednesday, June 9, it is possible for students who register in advance to enter classes as late as Tuesday, June 15, since each student is allowed four permissible absences. A student, however, cannot obtain full credit for the term's work with more than four absences. Furthermore, since many graduate students find it exceedingly hard to complete twelve weeks' work in one summer term, students are permitted to register for only eleven weeks and take advantage of early examinations closing August 23. This means that the student who cannot enter the first term of the Summer Session and continues for five weeks of the last term, completes a full "summer quarter," or exactly one third of the year now required for a Master's degree. Finally, students who wish to complete nine weeks of work instead of six or twelve may in some cases be able to do so by planning their work for the first term so as to find a related course offered the first three weeks of the second term, or by entering a course July 1 that is completed within the last three weeks of the first term and closely related to some course continuing through the second term. There are in 1943 few courses offered for three weeks that permit this arrangement, but it is possible in most departments to enter a research seminar for as much as three weeks additional work.

CERTAIN CLASSES BEGINNING BEFORE REGISTRATION DATE

Since the 1942-43 session of the University closes May 22, there is a demand on the part of Duke undergraduate students for certain classes to be given to begin Tuesday, May 25, or other date prior to June 8. These classes that begin before registration are not marked either "I" (first term, beginning June 8), or "II" (second term, beginning July 20), but have the probable date specifically given in the course description. Although these courses are offered for the convenience of Duke undergraduates, they are open for enrollment to students from other colleges whose calendar permits them to enter on time.

EXAMINATIONS

The last two days of each term of six weeks are devoted to examinations. The University has no provision for giving examinations *in absentia*, but students absent from examination for valid reason are permitted a liberal extension of time in which to return to the University for completion of credit.

The early opening of schools in which many Summer Session students happen to teach, sometimes necessitates the return home of students before the end of the second term. The provision made for such students is as follows: Any student whose record is superior in a given course may

with the consent of his instructor and the approval of the Director of the Summer Session obtain a special examination not earlier than the fifth day before the regularly scheduled examination. If he takes such examination, the total credit in each course is reduced by one sixth; in other words, the student is interpreted as having completed five weeks of work, and his maximum allowable credit, therefore, is five semester hours.

GRADUATE DEGREES

Detailed information regarding the requirements for graduate degrees may be obtained from the Bulletin of the Summer Session.

THESIS WRITING IN SUMMER SESSION

Since Duke University grants no Master of Arts degree except upon completion of a satisfactory thesis, every candidate for that degree who expects to complete his work in the Summer Session should as soon as possible after completing his first term of residence choose a field in which he desires to write a thesis and confer with some instructor offering graduate courses in that field. The following points should be kept clearly in mind when arrangements are made for thesis supervision:

1. The subject of the thesis must be approved by the instructor who undertakes the supervision and must be filed in the Graduate School Office on the blank regularly provided for that purpose. The instructor's decision as to whether the topic is suitable, or the student is prepared to develop it, or the instructor prepared to supervise it, is final.

2. A student may enroll for six semester hours of residence credit towards a thesis or for less, in one term of six weeks. If he enrolls for only three semester hours he may enroll also for a course of three semester hours, but he cannot enroll for a total of more than six semester hours of credit, including residence toward his thesis. Completion of six semester hours of residence toward his thesis does not guarantee the satisfactory completion of the thesis, which must be acceptable to the instructor supervising it and to a committee representing the Council on Graduate Instruction. Students who do not complete their theses the first term they register for supervision have the privilege of registering a second term upon payment of regular dues, but are not required to do so. Since the numbers permitted to enroll in thesis seminars are strictly limited, such students are not permitted to register for a third term of supervision.

3. A student may either enroll in a specifically designated "thesis" course or, if his preparation meets the approval of the instructor in charge, attach himself to some regularly offered course in his field of study and report periodically to the instructor offering the course.

4. A student enrolling for thesis residence credit in regular course pays the same fees as other students during the summer of residence. At the time of graduation he pays the same diploma and commencement fees as other students and a thesis supervision fee of \$25.00.*

5. Students enrolling for thesis supervision during the Summer Session are expected to complete their theses largely during the summer of enrollment or some subsequent summer term. The instructor with whom they enroll is not under obligation to give active supervision during the academic year, although instructors are willing to give a reasonable amount of attention to theses prac-

* Students completing the M.Ed. degree by examination pay examination fee of \$25.00, in lieu of the thesis supervision fee.

tically completed. Similarly, instructors in Duke University who are not teaching in the Summer Session are not expected to undertake the supervision of theses written by summer school students.

6. Students enrolled for thesis supervision in the first summer term who expect to receive their thesis examination during that term should submit the bound copies of their theses to the Graduate School Office at least four days before the end of the term. They may then be distributed by the examining committee. Failure to complete the thesis by that time will generally require deferment of the examination until the following term. Those who work on their theses during the second summer term must complete their theses and submit the bound copies to the Graduate Office at least four days before the conclusion of the term if they wish to receive their diplomas in September. Students who fail to complete their theses by the conclusion of the second term must plan to take the final examination either in the following summer or in the following academic year. It is the policy of the University not to give examinations to candidates for the advanced degrees during the time between the Summer Session and the academic year.

7. Students of the academic year who do not complete theses begun prior to the Summer Session are not accepted for Summer Session enrollment unless their subjects are in the field of some thesis seminar or other course offered by an instructor who recommends that such students be assigned to his supervision during the summer. Instructors who are employed for full time by the Summer Session are specifically requested not to carry over into the summer thesis students whose subjects are not properly a part of work such instructors are offering in the Summer Session.

FEES

Teachers in active full-time service in schools and colleges are exempt from tuition fees for as many as four terms of six weeks in a period of six years. After their fourth term they pay regular tuition charges. All other students are charged a tuition fee of \$8.00 for each college credit hour, or \$4.00 for each semester hour, maximum tuition being \$24.00 for six weeks, or \$30.00 for courses running seven weeks. All students, teachers included, pay a registration fee of \$20.00 per term. Students in the sciences pay the laboratory fees required in regular term, and students completing degrees pay the regular commencement charges at the time of receiving their degrees, besides the thesis supervision of M.Ed. examination fee of \$25.00 required of persons completing Master's degrees.

Major expenses are estimated as follows for each term:

Registration	\$20.00
Room-rent and board	58.50*
Total major expenses to teachers	\$78.50
Tuition required of other students	24.00

In the men's dormitories, as has been stated, the charge for rooms is one dollar less, making the total major expenses for occupants \$77.50. To these totals should be added about \$7.00 for books, probably \$3.00 for miscellaneous expenditures, and laboratory fees for any science course the student may elect.

* Because of special provision made for the "School of Spanish Studies," there is a slight extra charge to students enrolling in that "school."

"SCHOOL OF SPANISH STUDIES"

Because of the increased interest in Spanish studies throughout the nation and the great expansion of Spanish and Spanish enrollments in the colleges and high schools of this region, the Summer Session will again offer an unusual grouping of courses in Spanish the first term of the Summer Session, extending from elementary work through second- and third-year Spanish to graduate work and advanced seminars. It is planned to supplement the courses with liberal opportunity for speaking the language, hearing lectures in Spanish, and conducting discussions and evening programs in the language. It is planned also to have Spanish-speaking tables in the University Union and a Spanish section in one of the East Campus dormitories. Both Castilian and Spanish-American culture and literature will be emphasized. (For details of the "School of Spanish Studies," see courses listed under "Spanish" in this announcement, or address the Director of the Summer Session for special folder. Because of special facilities provided in "Spanish Studies," certain fees and expenses will be slightly higher than in other parts of the Summer Session.)

THE SCHOOL OF LAW

The School of Law of the University, in association with the Law School of Wake Forest College, will offer a full semester of work during the summer, with a faculty of eight full-time men in addition to the staffs of the Legal Aid Clinic and the Law Library. The School will be conducted at Duke University on the basis of three semesters per year so that the normal three-year course may be completed in two calendar years and thus affords opportunity for those who are now able to engage in law study to accelerate their professional training during a period when there is an urgent demand for well-trained persons, both men and women, in private offices and Government service. Instruction in the Summer Session of the Law School will begin Tuesday, June 1, and end September 11.

The courses will be so arranged that all subjects will be completed in the semester in which they are offered. Complete courses are offered for beginning students as well as for advanced students transferring from other law schools. During the emergency, students with superior grades will be admitted who have completed two years of college work.

For further information, including courses and expenses, address the Dean of the School of Law, Duke University.

APPOINTMENTS BUREAU

A Teachers' Appointments Bureau is maintained in Room 113, Administration Building, West Campus, for the benefit of teachers desiring a change of position. There is no charge for this service.

INSTITUTE FOR TEACHERS OF SECONDARY MATHEMATICS
JUNE 14-26

The Institute for Teachers of Secondary Mathematics will hold its annual summer session from June 14 to 26. There will be an afternoon and evening meeting each day during the Institute.

**SPECIAL NOTE TO UNDERGRADUATE STUDENTS TRYING TO
ACCELERATE GRADUATION**

It is the policy of the University to assist in any reasonable way students trying to accelerate their university work because of the national emergency. The Summer Session of 1943 is trying to make special provision for the following groups of students:

1. Those who lack fifteen hours or less of graduation (Provision has been made to permit a maximum of fifteen semester hours to be completed between May 21 and September 1. See second paragraph of this note.);
2. Those who need six semester hours in order to be able to graduate in one semester after being called to the naval or military services July 1;
3. Those who last summer planned to take at least twelve semester hours this coming summer in order to complete graduation in the fall semester.

Special attention is called to the courses that are tentatively offered to enable students to obtain three semester hours before the beginning of the regular Summer Session classes (first term) June 9, or six semester hours before the opening of the Navy College about July 1, as described on page 284. The courses in which the minimum enrollment will probably be obtained are Chemistry 63-74 (if laboratory is available), 155-156, and 261-262; Economics 51-52, 57-58, and 171-172; English 145-146; French 3-4 and 59-52; History 51-52 and 91-92; Physics 213-214; Sociology 101-109; and Hygiene S112. Mathematics 1, 2, and 50, the latter being permitted as a substitute for Mathematics 8, are also obtainable before July 1.

COURSES OF INSTRUCTION

This is a condensed description of courses. For a full description, see Bulletin of the Summer Session.

EXPLANATIONS AND ABBREVIATIONS

Classes meet daily five times per week for six weeks unless otherwise indicated. Classes that meet for sixty-minute periods are indicated as carrying two semester hours of credit. Classes meeting eight-five-minute periods daily count for three semester hours except where credits are stated otherwise. Courses are arranged alphabetically by departments. The course numbers are the same numbers used in describing courses in the regular term, with the letter "S" preceding; for example, Chemistry S1 would correspond to Chemistry 1 of the regular term.

N.B.—Different State Departments of Education grant professional credit for various courses in accordance with their own carefully defined rules. Every student should inquire carefully at or before registration as to what professional credit is allowed for each course in his state.

BIOLOGY

See courses listed under Botany and Zoology.

BOTANY

S1. General Botany.—4 s.h. MISS ADDOMS

S2. General Botany.—4 s.h. MISS ADDOMS

S235. Introduction to Field Botany.—Prerequisite: one year of botany or equivalent. 3 s.h. MR. OOSTING

S252. Plant Physiology.—3 s.h. MR. KRAMER

CHEMISTRY*

S63. Qualitative Analysis.—3 s.h. MR. HOBBS

S74. Quantitative Analysis.—Prerequisite: course S63 or equivalent. 3 s.h.
MR. VOSBURGH

S155. Organic Chemistry.—Prerequisites: courses S63 and S74 or equivalent. 3 s.h. MR. BRADSHAW

S156. Organic Chemistry.—Prerequisite: course S155. 3 s.h.
MISS BROWN

* All courses in Chemistry are offered subject to the exigencies of the War Program of the University.

S261. Physical Chemistry.—Prerequisites: Chemistry S74, S155-S156, Physics S1-S2 or equivalent, and Mathematics 7-8 or equivalent. Calculus is desirable but is not required. In exceptional cases, and with the permission of the department, graduate students may offer other advanced science courses in place of some of these prerequisites. 3 s.h. MR. SAYLOR

S262. Physical Chemistry.—3 s.h.

MR. SAYLOR

S276X. Thesis Research.—2 to 6 s.h.

MR. BIGELOW AND MR. HOBBS

ECONOMICS

S51. Principles of Economics.—3 s.h.

MR. R. S. SMITH (*second term*)

S52. Principles of Economics.—3 s.h.

S57-S58. Principles of Accounting.—6 s.h.

MR. VAN VOORHIS

S115. Economic Geography: Teachers' Course.—3 s.h.

MR. LEMERT

S116. Economic Geography and Industrial Organization.—3 s.h.

MR. LEMERT

S171-S172. Advanced Accounting.—6 s.h.

MR. SHIELDS

S181. Business Law: Contracts, etc.—3 s.h.

MR. HON

S182. Business Law: Partnerships, etc.—3 s.h.

MR. HON

S204. Money, Banking, and Credit.—3 s.h.

MR. BLUM

S236. Public Finance.—3 s.h.

MR. BLUM

S270. Economics of War.—3 s.h.

MR. BLUM

S286. Latin-American Economics.—3 s.h.

MR. R. S. SMITH

EDUCATION

PUBLIC SCHOOL ADMINISTRATION (GRADUATE COURSES)

(Master's candidates in this division elect their minor work in Political Science, Economics, or Sociology. Candidates for the Master of Education under the new plan must take fifteen semester hours of work from the courses specifically listed under this division.)

S203. Principles of School Administration.—Prerequisite: six semester hours of courses in classroom management and educational psychology. 3 s.h.

MR. PROCTOR

S213. Problems of the Organization and Administration of the Elementary School.—3 s.h.

MR. HILLEGAS

S234. Secondary School Organization and Administration.—3 s.h.

MR. HIGHSMITH (*first term*)

MR. GOLDTHORPE (*second term*)

S323. Public School Finance.—3 s.h.

MR. GOLDTHORPE

S333X. Thesis Seminar: Research in School Administration.—3 s.h.

MR. PROCTOR

S343. State and County School Administration.—3 s.h.

PUBLIC SCHOOL SUPERVISION (GRADUATE COURSES)

(Master's candidates in this division elect their minor work in Psychology or an approved combination with Educational Psychology, or in Sociology. Master of Education candidates are permitted as many as nine semester hours of work in their minor, but take the remaining twelve or fifteen, if minor is only six hours, from courses specifically described or listed under Supervision.)

- S209. Statistical Methods in Education.—3 s.h. MR. SCATES
- S222. The Curriculum and Materials of the Elementary Grades.—3 s.h.
MR. HILLMAN
- S232. Elementary School Supervision.—3 s.h. MR. CARR
- S273. Problems of High-School Supervision.—3 s.h. MR. HIGHSMITH
- S288. Problems of Mental Hygiene and Education.—3 s.h. MR. ADAMS
- S304. The School as an Institution.—3 s.h. MR. GOLDTHORPE
- S305. The Nature, Function, and Reorganization of the Curriculum.—3 s.h.
MR. CARR

EDUCATIONAL PSYCHOLOGY (GRADUATE COURSES)

(The Master of Education degree is not offered in this division. Master of Arts candidates should choose Psychology for their minor subject. It will be observed that certain of the courses listed under Educational Psychology are also listed under Supervision, Secondary Education, or Elementary Education.)

- S208. Mental Tests and Applications.—Prerequisite: course S258 or six semester hours of other work in educational psychology or psychology. 3 s.h.
MISS VAN ALSTYNE
- S209. Statistical Methods in Education.—3 s.h. MR. SCATES
- S212. Psychology of the Elementary School Subjects.—3 s.h.
MISS VAN ALSTYNE
- S216. Psychological Principles of Secondary Education.—3 s.h.
MR. CHILDS
- S218. Educational Implications of Genetic Psychology.—Prerequisite: six semester hours of psychology or educational psychology. 3 s.h.
MR. BROWNELL
- S237. Investigations in Reading.—3 s.h. MISS VAN ALSTYNE
- S247. Investigations in Arithmetic.—3 s.h. MR. BROWNELL
- S258. Educational Measurements.—3 s.h. MISS VAN ALSTYNE
- S288. Problems of Mental Hygiene and Education.—3 s.h. MR. ADAMS
- S300. Introduction to Educational Research.—3 s.h. MR. SCATES
- S300X. Educational Research.—3 s.h. MR. SCATES
- S317. The Psychological Principles of Education.—3 s.h. MR. BROWNELL

SECONDARY EDUCATION (GRADUATE COURSES)

(Master's candidates in this division should elect minor work in their teaching subject, or in Psychology or Sociology. Master of Education candidates are required to elect their minor work in their teaching subject, and all of their work in Education must come from courses listed in this division.)

S205. Curriculum Problems in Secondary Education.—3 s.h. MR. CHILDS

S206. Sociological Foundations of Secondary Education.—3 s.h.
MR. GWYNN

S215. Educational and Vocational Guidance.—Prerequisite: twelve semester hours in the Department, including course 105 or course 206. 3 s.h.
MR. GWYNN

S216. Psychological Principles of Secondary Education.—3 s.h.
MR. CHILDS

S226. The Teaching of History and the Social Studies.—3 s.h.
MR. MANCHESTER

S234. Secondary School Organization and Administration.—3 s.h.
MR. HIGHSMITH (*first term*)
MR. GOLDTHORPE (*second term*)

S246. The Teaching of High-School Mathematics.—3 s.h.
MR. W. W. RANKIN

S273. Problems of High-School Supervision.—3 s.h. MR. HIGHSMITH

S334X. Thesis Seminar in Secondary Education.—3 s.h. MR. CHILDS

ELEMENTARY EDUCATION (GRADUATE COURSES)

(Master's candidates in this division should take their minor work of six semester hours in Psychology, Educational Psychology, or an approved combination of the two, or in Child Welfare and Development—wholly in Sociology, or partly Sociology and Psychology, or Educational Psychology, if a satisfactory combination can be worked out. Master of Education candidates in this division must take fifteen semester hours of work described or listed under Elementary Education.)

S207. Technique of Teaching.—3 s.h. MR. CARR

S212. Psychology of the Elementary School Subjects.—3 s.h.
MISS VAN ALSTYNE

S213. Problems of the Organization and Administration of the Elementary School.—3 s.h.
MR. HILLEGAS

S218. Educational Implications of Genetic Psychology.—3 s.h.
MR. BROWNELL

S222. The Curriculum and Materials of the Elementary Grades.—3 s.h.
MR. HILLMAN

S232. Elementary School Supervision.—3 s.h. MR. CARR

S237. Investigations in Reading.—3 s.h. MISS VAN ALSTYNE

S247. Investigations in Arithmetic.—3 s.h. MR. BROWNELL

S268. Investigations in Geography.—3 s.h. MR. HILLMAN

S288. Problems of Mental Hygiene and Education.—3 s.h. MR. ADAMS

S304. The School as an Institution.—3 s.h. MR. GOLDTHORPE

S305. The Nature, Function, and Reorganization of the Curriculum.—3 s.h.
MR. CARR

UNDERGRADUATE COURSES

(By permission Seniors may enter graduate courses numbered below 300. Attention is called to the fact that toward the A.B. degree not more than six semester hours of methods courses are allowed to count.)

S68. Mental Hygiene of the School Child.—3 s.h. MR. WATSON

S128. Tests and Measurements in Personnel Work.—3 s.h. MR. WATSON

ENGINEERING

G.E. 1. Engineering Drawing.—2 s.h. MR. LEWIS

C.E. 60. Plane Surveying.—Prerequisites: drawing and trigonometry.
3 s.h. MR. HALL, MR. BIRD, AND MR. WILLIAMS

M.E. 159. Senior Mechanical Engineering Laboratory.—2 s.h.
MR. THEISS, MR. HINTON

ENGLISH

Master's candidates in English are required to complete at least three semester hours in Chaucer or certain other designated courses. Master's candidates who have completed as many as twelve semester hours of graduate work should take also the bibliography course, S301, at their earliest opportunity.

S1. English Composition.—3 s.h. MR. HARWELL (*first term*)
MR. FITZGERALD (*second term*)

S2. English Composition.—3 s.h. MR. HARWELL (*first term*)
MR. FITZGERALD (*second term*)

S55. Representative English Writers.—3 s.h. MR. BLACKBURN

S56. Representative English Writers.—3 s.h. MR. BLACKBURN

S121. Play Production.—3 s.h. MR. WEST

S123. Shakespeare.—3 s.h. MR. MITCHELL

S124. Shakespeare.—3 s.h. MR. MITCHELL

S125. Early Nineteenth-Century Literature.—3 s.h. MR. PATTON

S126. Early Nineteenth-Century Literature.—3 s.h. MR. PATTON

S138. American Literature, 1850-1900.—3 s.h. MR. LEARY

S139. The Speaking Voice.—3 s.h. MR. WEST

S145. English Poetry, 1832-1900.—3 s.h. MR. SANDERS

S146. English Poetry, 1832-1900.—3 s.h. MR. SANDERS

S163. Folk Background of Literature.—3 s.h. MR. J. M. CARPENTER

S203. Chaucer.—3 s.h. MR. BAUM

S210. English Literature, 1660-1700.—3 s.h. MR. WARD

S255A. Early Victorian Literature: Browning.—3 s.h. MR. BEVINGTON

S226. Later Victorian Literature, 1850-1900.—3 s.h. MR. BEVINGTON

- S228. Literary Criticism.—3 s.h. MR. GILBERT
- S229. American Literature, 1800-1870: The New England Writers.—3 s.h.
MR. LEARY
- S230. American Literature, 1800-1870: Middle Atlantic and Southern.—
3 s.h. MR. HUBBELL
- S233. American Literature since 1870: Part I.—3 s.h. MR. GOHDES
- S301. Bibliography and Methods of Research.—3 s.h. MR. JENKINS
- S307. Seminar in American Literature prior to 1870.—3 s.h. MR. HUBBELL
- S308. Seminar in American Literature since 1870.—3 s.h. MR. GOHDES
- S317X. Seminar in Victorian Literature.—3 s.h. MR. BAUM
- S321. Seminar in English Literature, 1660-1700.—3 s.h. MR. WARD
- S329. Seminar in Sixteenth- and Seventeenth-Century English Literature.
—3 s.h. MR. GILBERT

FRENCH

- S3. French Prose.—Prerequisite: French S1-S2 or two years of high-
school French. 3 s.h. MR. WALTON
- S4. French Prose.—Prerequisite: French S3. 3 s.h. MR. WALTON
- S59. French Composition and Conversation.—3 s.h. MR. COWPER
- S52. Introduction to French Literature.—Prerequisite: French S51. 3 s.h.
MR. COWPER

GEOGRAPHY

See courses listed under Economics.

GERMAN

- S3. Intermediate German.—3 s.h. MR. KRUMMEL
- S4. Intermediate German.—3 s.h. MR. KRUMMEL

GOVERNMENT

See courses listed under Political Science.

HISTORY

For admission to candidacy for a Master's degree in History the student must present a total of eighteen semester hours of prior work in History, of which at least six must be in American History if he plans to take his major work in that field. Before enrolling for thesis supervision, candidates for the Master's degree are required to complete at least three semester hours of seminar work and are strongly urged to enroll for this work in the second term of their attendance in the Summer Session. (See courses numbered 300 or above.)

- S51. Main Currents in the Modern World.—3 s.h.
MR. ROPP (*first term*)
MR. McCLOY (*second term*)

- S52. Historical Background of the World Today.—3 s.h.

- S91. Political and Social History of the United States to 1850.—3 s.h.
MR. BREWSTER
- S92. Political and Social History of the United States since 1850.—3 s.h.
MR. BREWSTER
- S101. Development of Western European Civilization to about A.D. 500.—
3 s.h. MR. MANCHESTER
- S128. Inter-American Affairs.—3 s.h. MR. LANNING
- S203. The Union, Confederacy, and Reconstruction.—3 s.h. MR. WOODY
- S211. The Teaching of History and the Social Studies.—3 s.h.
MR. MANCHESTER
- S234. Political and Social Problems in the Hispanic American Republics.
—3 s.h. MR. LANNING
- S236. The South in Federal Politics, 1789-1860.—3 s.h. MR. SYDNOR
- S242. The Origins of the War between the United States and Japan,
1941.—3 s.h. MR. CLYDE
- S268. Social History of Western Europe during the Eighteenth Century.—
3 s.h. MR. MCCLOY
- S315. Seminar in Southern History.—3 s.h. MR. SYDNOR (*first term*)
MR. WOODY (*second term*)
- S343. Seminar: Studies in American Foreign Relations.—3 s.h.
MR. CLYDE

HYGIENE AND PHYSICAL EDUCATION

- S112. Personal and School Hygiene.—3 s.h. MISS PETERSON

MATHEMATICS*

For admission to candidacy for the degree of Master of Arts with major in Mathematics a student must have a minimum of twenty-four semester hours of credit for course work in mathematics or related fields. This course work must be approved by the Department through the Director of Graduate Studies, Professor J. J. Gergen, or his representative. It must include differential and integral calculus and an additional six semester hours of work in mathematical courses of at least junior level.

- S1. Introduction to College Algebra.—3 s.h. STAFF
- S2. Trigonometry.—Prerequisite: Mathematics S1 or the equivalent. 3 s.h.
STAFF
- S50. Analytic Geometry.—Prerequisite: Mathematics S1 and S2 or the
equivalent. 3 s.h. STAFF
- S204. Teaching of Mathematics.—Prerequisite: integral calculus. 3 s.h.
MR. W. W. RANKIN
- S293. Topics in Algebra.—Prerequisite: integral calculus. 3 s.h.
MR. CARLITZ

* All courses in Mathematics are offered subject to the exigencies of the War Program of the University.

S295. Topics in Analysis.—Prerequisite: integral calculus. 3 s.h.
MR. CARLITZ

S297. Topics in Geometry.—Prerequisite: integral calculus. 3 s.h.
MR. CARLITZ

S389X. Thesis Seminar.—*Thesis credit only.*

S390X. Thesis Seminar.—*Thesis credit only.*

PHYSICS*

For admission to candidacy for a Master's degree with major in Physics, students must have completed a minimum of twelve semester hours of Physics. This course work, together with the work in the field of the proposed minor, must be approved by the Department through the Director of Graduate Studies.

S2. General Physics.—4 s.h. MR. D. W. CARPENTER AND ASSISTANTS

S51-S52. General Physics.—8 s.h. MR. D. W. CARPENTER AND ASSISTANTS

S213. Contemporary Physics.—3 s.h. MR. CONSTANT

S214. Contemporary Physics.—3 s.h. MR. CONSTANT

POLITICAL SCIENCE

S61. American Government and Politics.—3 s.h. MR. SIMPSON

S62. American Government and Politics.—3 s.h. MR. SIMPSON

S209. State and Local Government in the United States.—3 s.h.
MR. R. S. RANKIN

S227. International Law.—3 s.h. MR. WILSON

S228. International Law.—3 s.h. MR. WILSON

S310. Seminar in State Government.—3 s.h. MR. R. S. RANKIN

RELIGION

S51. The History of the Hebrew People.—3 s.h. MR. MYERS

S52. New Testament Life and Literature.—3 s.h. MR. MYERS

S167. Contemporary Religious Problems.—3 s.h. MR. SPENCE

S285. The Religions of the Far East.—3 s.h. MR. CANNON

S292. Christian Ethics II.—3 s.h. MR. H. S. SMITH

S309. History of the Ancient Near East.—3 s.h. MR. STINESPRING

S310. Old Testament Prophecy.—3 s.h. MR. STINESPRING

S394. Religious Thought in Modern America.—3 s.h. MR. H. S. SMITH

* All courses in Physics are offered subject to the exigencies of the War Program of the University.

SOCIOLOGY

Attention is called to the fact that Sociology S101 is a prerequisite to all other courses in the Department.

S101. General Sociology.—3 s.h. Mr. THOMPSON

S109. Sociology of the South.—3 s.h. Mr. THOMPSON
[Not offered if greater demand for S220.]

S206. Criminology.—3 s.h. Mr. JENSEN

S212. Child Welfare.—3 s.h. Mr. JENSEN

S220. Rural Sociology.—3 s.h. Mr. THOMPSON
(Not offered if there is greater demand for course S109.)

S234. Social Ethics.—3 s.h. Mr. HART

SPANISH

S1. Introductory Spanish.—3 s.h. Miss CARTER

S2. Introductory Spanish.—3 s.h. Miss CARTER

S3. Intermediate Spanish.—3 s.h. Mr. DAVIS

S4. Intermediate Spanish.—3 s.h. Mr. DAVIS

S65. Introduction to Modern Spanish Literature.—3 s.h. Mr. CASTELLANO

S68. Introduction to Spanish-American Literature.—3 s.h. Mr. BROWN

S175. War Spanish.—Prerequisite, if taken for credit: three years of college Spanish. 3 s.h. Mr. BROWN

S253. Spanish Phonetics.—3 s.h. Mr. LUNDEBERG

S260. Materials for Teaching Spanish.—3 s.h. Mr. CASTELLANO

S275. La vida de Hispanoamérica en su literatura.—3 s.h. Mr. ARCE

S370. Thesis Seminar. Mr. LUNDEBERG, Mr. ARCE

S375. Literatura española contemporánea.—3 s.h. Mr. SERIS

ZOOLOGY

For admission to candidacy for a Master's degree in Zoology, students should have completed an undergraduate major in Zoology (courses in General Science and Botany are not counted as a part of a Zoology major). This normally amounts to about twenty-four semester hours, which should be distributed among the various fields of Zoology, and must include Vertebrate Zoology or Comparative Anatomy, Physiology, and Embryology, passed with creditable grades. A candidate should also have completed at least one year of Chemistry. Work for the degree will require eighteen hours in advanced courses in Zoology, and six hours in another department for a minor, in addition to a thesis. Before registration for a degree, students should confer with Dr. George T. Hargitt, Director of Graduate Studies for the Department. Students not candidates for a degree may take courses offered, if they have necessary prerequisites; but may not count them toward a degree until an undergraduate major has been completed.

S1. General Zoology.—4 s.h.

Mr. BOOKHOUT AND ASSISTANTS

S2. Animal Biology.—4 s.h.MR. GRAY AND ASSISTANTS (*first term*)MR. BOOKHOUT AND ASSISTANTS (*second term*)**S53. Comparative Vertebrate Anatomy.—3 s.h.**

MR. GRAY

S92. General Embryology.—3 s.h.

MR. JOHNSON

S229. Endocrinology.—Prerequisites: Zoology S53 and S92. 6 s.h.

MR. CUNNINGHAM

S251. General Physiology.—6 s.h.

MR. McCUTCHEON

S353. Research.**(a) Physiology.**

MR. McCUTCHEON

(b) Embryology and Endocrinology.

MR. CUNNINGHAM

DUKE UNIVERSITY

DEGREES AND HONORS CONFERRED (1943)

ROLL OF STUDENTS (1942-1943)

TRINITY COLLEGE

THE WOMAN'S COLLEGE

THE COLLEGE OF ENGINEERING

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

THE DIVINITY SCHOOL

THE SCHOOL OF LAW

THE SCHOOL OF MEDICINE

THE SCHOOL OF NURSING

THE SCHOOL OF FORESTRY

DEGREES AND HONORS CONFERRED (1943)

A.B. DEGREE

Allen, Donna Claire Rehkopf	Cowan, Eben Edward
Alston, William Merideth	Cozart, Wiley Holt
Ambrose, Marilynn	Craig, Kathryne Taylor
Anderson, John Frederick P.	Crigler, Norris Wolf
Armstrong, Mary Elizabeth	Curry, Jane Caroline
Baca, Antoinette	Curtis, Kathleen Maude
Bachman, Gloria Roderick	Dale, Francis Lykins
Baer, Julius Arthur, II	Davis, Ann McCarroll
Ballard, David Leon	Deaton, Mary Elizabeth
Balloch, Elinore Anne	Dell, Mary
Barber, Marjorie	deMerci, Betty Ann
Bassett, Carol Sebring	Deming, Virginia Mae
Bates, William, Jr.	Dennis, William Baker
Baylin, Muriel Rosalind	Dodd, Rufus Burton
Beaver, Pauline Harris	Draper, Jesse Orr
Beckel, Samuel Somerville	Ducker, Edward Sease
Bedsworth, Mary Catherine	Duncan, Constance Lyons
Beeghly, John David	Dunkelberger, Kathryn Mills
Bendall, Amanda Lee	Earnhardt, Herman Lee, Jr.
Berté, Stephen Joseph	Eaton, Dale Ensor
Bishop, Betty May	Edelman, Irving Jacob
Black, Julian Rigler	Eder, Marianne Allen
Blount, Margaret Little	Edinger, Richard Loren
Bloxom, Robert Norris	Edwards, Muriel Isabel
Blume, Shirley Beatrice	Eitner, Wolfgang William
Bock, Ann Marie	Ericson, Betty Louise
Boehm, Kenneth Everett	Faucette, Naomi Rachel
Boger, Richard Edwin	Feldman, Leon
Bond, Lewis Franklin, Jr.	Felty, Ralph Benton
Booe, Alice Lucinda	Few, Randolph Reamey
Bowne, Henrietta Elizabeth	Flentye, Barbara Millikin
Bracken, Audrey Olive	Ford, Richard Henry
Branscomb, Bennett Harvie, Jr.	Frankenhoff, Hilda Louise
Brinson, Helen Slade	Friedberg, Edwin Peter
Browder, Bannister Randolph, Jr.	Fries, Barbara Bissell
Brower, Blanna Mathews	Fuqua, Robert Meek
Brown, Edward Pierce	Gaillard, Eyre Davis
Brown, Richard Arnold	Galt, Howard Thomas
Bullock, Harvey Reade, Jr.	Gosnell, William Burton, Jr.
Buonocore, Frank Ralph	Grayson, Edward Lee
Burrows, Charles Frederick	Green, Seymour Stanley
Bussell, Margaret Rose	Gregory, Dallas Maynard, Jr.
Bynum, Frederick Williamson, Jr.	Griffin, Fay
Clark, Frances Eleanor	Grose, Ida Mary
Clark, Mary Jane	Gross, Robert Argyle
Cline, John Maxwell	Hale, John
Cobb, Paul Bryson	Haley, Leonor Davison
Cochran, Frances Donald	Hall, Jane Elizabeth
Cole, Sarah Camille	Hallum, Frances
Collier, Marjorie	Hanford, John Van, Jr.
Cook, Daniel George	Harper, Charity Anne Rebecca
Cooper, Karleen Bettie	Harrison, Fenton Frank

Hawkins, Spencer Lee
 Hendrickson, Peggy Jane
 Henninger, Henrietta
 Henshaw, Douglas Venville
 Herder, Donald
 Herrmann, Elizabeth Margaret
 Hessler, Robert Edward
 Hickman, Marcus Tobias
 Hicks, Jane Carol
 Highsmith, Katherine Herring
 Hill, Samuel Richardson, Jr.
 Hillier, George Robert
 Hoeland, Donald Earl
 Hoffberger, Charles Bertram
 Hogg, William Richey
 Hogue, Wesley Fay
 Holland, Betty Collier
 Honeycutt, James Furman
 Hoover, Alfred Aaron
 Hopkins, Sara Olmstead
 Hubbell, David Smith
 Huffman, Weddie Wilson
 Hughes, Donna Lentz
 Hughes, Jean Carol
 Hunter, Cornelius Wood
 Huntington, William Richard, III
 Hutchison, Betty Jenkins
 Ing, Robert Bowen
 Isdell, Nelson LeRoy
 Jackson, Helen Joan
 Jackson, Jeanette Nancy
 Jarden, Barbara Elizabeth
 Jenkins, Edgar Joseph
 Jenkins, John Richard, Jr.
 Johnson, Elizabeth Ann
 Johnson, Frances Norman
 Johnson, Stewart Henry
 Jones, Barbara Ann
 Jones, John David
 Jossman, Sally
 Kale, Wallace Wilford
 Kefauver, Clarence Eugene, Jr.
 Kerns, Nannie Lou
 Knight, Jean Dixon
 Knight, John Arthur
 Kohler, Ervin Winston, Jr.
 Koonce, Duval Holtzclaw
 Korowicki, Charles Henry
 Kurzrok, Felix
 Lake, Carol Georgette
 Lanahan, Edward Lauck
 Lassiter, Robert Roland, Jr.
 Lavington, Doris Nona
 Lednum, Ethel
 Lee, Lillian
 Leone, Francis Joseph Anthony
 Leuthold, Richard Albert
 Lockwood, Wendell Newton
 Lombardi, Jeremiah Francis, Jr.
 Long, John Oglesby, Jr.
 Ludt, Sara Jane
 McGirt, William Archibald, Jr.
 McKinnon, Henry Alexander, Jr.
 McMorries, Edwin Eliot
 McRae, Eleanor Andrews
 McRae, Octavia
 Macalister, Mary
 MacDade, Thomas Clark, Jr.
 Mackall, Mary Evelyn
 MacNeill, Mary Barnes
 Mann, Naomi Aiken
 Martin, Beulah Doris
 Maxwell, Jay Cohen
 Mayo, Mary Collins
 Merritt, Zillah Johnson
 Meyer, Arthur Francis
 Mills, John Parmelee
 Milnes, William Willis
 Milton, Raymond Michael
 Miner, Barbara Varnes
 Miner, Helen Louise
 Miner, Robert Calvin
 Mixson, Carolyn Joyce
 Mock, Clyde William
 Moore, Ann Curtis
 Moore, Grace Danley
 Morgan, Dorothy May
 Morris, Samuel Barrineau
 Morrison, Anne Wikoff
 Morrison, Leila Alston
 Moseley, Daniel Dupré
 Mosler, Jacquelyn J.
 Moseley, Daniel DuPré
 Mundorf, P. George, Jr.
 Murdaugh, Marion Edward
 Nasher, Raymond Donald
 Newport, Albert Byron
 Nichols, Shirley
 Norton, Margaret Anne
 O'Donnell, Richard Justin
 Oestmann, Charles Henry
 O'Mara, Allan Hill
 Paddison, Richard Milton
 Padilla, Esteban
 Paige, Richard Russel
 Parker, Julia Lurline
 Patten, John William
 Patterson, George Lowndes, Jr.
 Persons, Walter Scott
 Phillips, John Wilfred
 Pippert, Joyce Celia
 Pitts, Marion Coleman
 Porritt, Richard Harley
 Price, Eva Louise
 Purcell, Jean
 Rankin, Ellen
 Rankin, William Walter, Jr.
 Raupagh, Catherine

Reichert, Mary Louise
 Richards, Martha Frances
 Robinson, George Gilmour, Jr.
 Roess, Ann Anderson
 Rooker, Gladys Virginia
 Rosen, Allard Frank
 Royal, Dorothy R.
 Ruark, Franklin Stiffler
 Rudisill, Anna Jane
 Rudolph, Charles William
 Rusk, Stephen Lewis, III
 Rutledge, Nina Frances
 Sandridge, Lucy Lee
 Saturday, Florence Gwendolyn
 Sauer, Richard Henry
 Schule, Alice Watkins
 Schulein, Dorothy Ann
 Selden, Vida
 Seman, Luen Karl
 Shackford, Elizabeth Bland
 Slinn, Richard Quentin
 Smeltzer, Dave Harvey
 Smith, Earle Stuart
 Smith, Leonard James
 Smith, Luther Louis, Jr.
 Smith, Terrell
 Snyder, Annabelle C.
 Spann, Yvonne Marie-Jeanne
 Starke, Sally Moore
 Starr, Ralph Walters
 Stenhouse, Marjorie
 Sterner, George Willard
 Stoddard, Charles Richards, Jr.
 Storer, Thomas Moffat
 Stowe, Margaret Osborne
 Sturtevant, Jean Margaret
 Sudrann, Robert Bernhard
 Sykes, Claude Oliver
 Tarpley, Nancy Eleanor
 Taylor, Elizabeth McCaw
 Taylor, Mary Augusta

Thomas, James Kenneth
 Thomas, Mary Ellen
 Thompson, Elva Anne
 Thompson, Lucy Helen
 Tobias, Anne Joy
 Tope, Charles Wilders
 Treleaven, Harry William, Jr.
 Trimmer, Perry Richmond
 Tucker, Adam Reynold, Jr.
 Turner, Mary Hall
 Vandegriff, Sara Anne
 Vanderpool, William Sherman, Jr.
 Van Kleeck, Caroyl
 Varney, Norman Arthur
 Vaughan, Leonidas Clyde, Jr.
 Vogel, Sheldon Alfred
 Wakeling, Robert Willard
 Watkins, Kathleen Hamlin
 Watson, Neal Thomas
 Weaver, Robert Glenn
 Webster, Mary Stuart
 Webster, Sheena Mary
 Wells, Esther Jean
 Welsh, Glenn Flournoy
 Weston, Sarah Elizabeth
 Westwood, Nina Evelyn
 Wheatley, Sarah Elizabeth
 Whitmore, Susanna Clary
 Widmark, George Norman
 Williams, Joanne Coby
 Williams, Rosalie Grayson
 Withington, John Cummings
 Womble, Calder Willingham
 Woodhull, Jean Clarke
 Woods, Peggy
 Wrenn, Frank Reece, Jr.
 Wrenn, Nancy Vestal
 Xanthos, Nathan Paleologos
 Young, Mary Elizabeth
 Young, Robert Douglas

B.S. DEGREE

DeLong, Thomas Stover
 Evans, Robert Rush
 Field, Frank Henry
 Frostick, Frederick Charles, Jr.
 Goodbody, Virginia Ruth
 Hazelrigg, Joan Reycraft
 Hendricks, Warren Aiken
 John, Louis Edward
 Johntz, William Fones
 Kurtz, John Cornell
 Osborne, William Farrand, Jr.
 Peeler, Annie Laurie

Phillips, Preson Peek, Jr.
 Pohl, Marian Evelyn
 Ross, Margaret Elaine
 Sierichs, William Cornell
 Smedberg, William Waldemar
 Smith, Benjamin Lee, Jr.
 Stuart, John Pressley, Jr.
 Taylor, Allen
 Thomas, Alfred Richard
 Troxell, Harry Emerson, Jr.
 Walker, Howard George, Jr.
 Woolley, Carolyn J.

In Civil Engineering

Lynch, Richard James

Rugo, Joseph Francis

In Electrical Engineering

Barrow, James Wilkinson
 Bean, Robert Nelson

Hottel, John Robert
 Sherertz, Paul Claiborne

In Mechanical Engineering

Acer, Charles Donald
 Crofts, Frederic Schrader
 Crooks, William Davison, III
 Dodson, Charles Wesley
 Edens, Carl Corprew, Jr.
 Fenimore, John Gibb
 Gingher, Clair Harry, Jr.
 Gullledge, Sidney Loy, Jr.
 Hill, Charles Walter
 Howe, James Taburn
 Kleinhenz, William Augustus
 Laros, James Andrew, Jr.

McKinney, Boyd Erwin
 McMaster, Spencer Rice, Jr.
 Miller, Thomas Dale, III
 Morgan, Ralph Pierpont, Jr.
 Ricketts, John Blaine
 Schlerf, Donald M.
 Tew, Gilbert Waddell
 Topham, Keith Landes
 Wagner, Richard Fuller
 Wall, Donald Schnepfe
 Walters, Whitford Frank, Jr.
 Wetmore, William Hall

In Nursing

Adams, Katie
 Ayers, Mary Elizabeth
 Bain, Barbara
 Barickman, Martha Elizabeth
 Beaton, Frances Muriel Spencely
 Bowles, Josephine Butler
 Boykin, Elizabeth
 Coggins, La Una
 Covington, Mildred Wilburn
 Craddock, Alice Blanche
 Cutlip, Elenore
 Decker, Kathryn Ann
 Farrar, Mary Frances
 Fox, Irene Carolyn
 Green, Mary Elizabeth
 Greenlee, Helen Ada
 Harrison, Ethel F.
 Lewis, Janice B.

Meeks, Marian I.
 Melton, Iris
 Miller, Frances Spainhour
 Newman, Ruby Ethel
 Parker, Mary Virginia
 Pipkin, Celia Zoe
 Quattlebaum, Louise
 Reinhardt, Elizabeth Brown
 Sewell, Genevieve
 Smith, Jean Preston
 Wall, Jessie Marion
 Wells, Lila P.
 White, Mary Jane
 Whiteside, Elizabeth Kathleen
 Wright, Marybelle
 Wright, Ruby Roberson
 Yount, Kathryn Schultz

In Medicine

Curry, Robert Whitney
 Graham, Emil Joseph

Hawfield, Harold Houston

A.M. DEGREE

Baker, Maury Davison, Jr.
 Bass, Arnold Marvin
 Bierman, Josephine Abigail
 Brown, Henry Clay, III
 Campbell, Carrie Belle Craig
 Chao, Shih Hui
 Cleveland, Opal Jean
 Come, Donald Robert
 Davis, Jesse Maxwell
 Dillinger, George Edward
 DuBose, Samuel Wilds
 Edelmann, Louise Lorraine
 Grubin, Leonard Melvin
 Heape, Rita Polk
 Kneipp, Janet Rettew
 Knight, Mary Roberts

Knight, Walter David, Jr.
 Lane, James Frank, Jr.
 Livingston, Martha Alida Comstock
 Loving, Grace Evelyn
 Martin, Mary Mercedes
 Merkle, Mildred Olive
 Noble, Mary Primrose
 Prince, Agnes MacGregor
 Richardson, Sarah Evelyn
 Shivers, Joseph Clois, Jr.
 Smith, Virginia Alice
 Thompson, Kaye Ogilvie
 Waggoner, Brooks Milton
 Wiggins, James Wilhelm
 Williams, Ruby Malinda
 Wissow, Lennard Jay

M.ED. DEGREE

Anderson, Ernest Rogers
Carpenter, Nevette Hefner
Frazier, Kathryn Eleanor

Kidd, Rex Charles
Sinks, Helen Adelaide

MASTER OF FORESTRY DEGREE

Deckert, Russell Coulter
Haliburton, William

Hostetter, Robert Dale
Rudolph, Victor John

B.D. DEGREE

Benson, Clark William
Brown, Byron Roy
Carroll, Howard
Carruth, Paul
Caviness, Woodrow Darlington
Cooper, Joel Aubrey
Cravens, Byron Clay
Crutchfield, Gilbert Wesley
Culbreth, George Bernice
Davis, William Dixon
Edwards, William Alpheus
Francisco, Ross
Hilbert, John Cassell
Judy, Carl Wesley
Kesler, Robert Harris
Lynch, George Ernest, Jr.

McKenry, John Archibald, Jr.
Major, James Edward
Medlin, William Tracy, Jr.
Mercer, Charles Henry
Merchant, James William
Patten, Brooks
Reed, Ralph
Rice, John Edward
Ruckman, Lee Van, Jr.
Shackford, Joseph Temple
Smith, Aubert Marlyn
Steele, Chester Raymond
Stubbs, David Leon, Jr.
Thumm, Milford Vernon
Wheeler, Kermit R.
Whitesel, John Asbury

LL.B. DEGREE

Canavan, Charles Durant
Greenwood, Porter Clifton

Robbins, Henry Haywood, Jr.

M.D. DEGREE

Baker, Ralph Parr
Bard, Donald Gibson, Jr.
Barrett, John Lee
Bartlett, Stephen Russell, Jr.
Benson, Charles Leonard
Bieber, Gustave Francis
Boucher, George Orion
Brindley, Clyde Owens
Burlison, Norris Mervin
Campbell, John Sinclair
Campbell, Robert Monroe
Carlton, Leffie Mahon, Jr.
Cooper, George Judson, Jr.
Gregory, Lucy Jane
Grimmett, Matthew Hill
Hackett, Walter Gordon
Harvey, Harold E.
Harvey, Watkins Proctor
Herring, Eleanor Jane
Hooten, William Samuel
Howard, Henry Lee
Howard, John Couper
Howell, Carter Wyckoff
Kash, Roy Mason
Keese, Anthony Vanderbilt

Kerhulas, Andrew Antonious
Kilgore, Samuel Rea
King, Herbert Arthur
Kneipp, John Albert
Kornegay, Lemuel Weyher, Jr.
Kuhn, Beatrice Hart
Levy, Edward David
McCulloch, David Jay
Massengill, Paul Robinson
Mustard, Harry Stoll, Jr.
Neese, Jack Harrell
Neikirk, William Irvin
O'Keeffe, Arthur Francis
Ott, John Frederick
Peck, John Dickinson, Jr.
Peters, William Anthony, Jr.
Picken, Robert Lyons
Poole, Frank Earl
Rausch, Norman Wesley
Ritchie, John Andrews
Roach, Benjamin Franklin
Ruff, Robert Franklin
Sellers, John Greaton
Sinden, Richard Hopkins
Spaeth, Walter, Jr.

Stiles, Harlan Aljean
Thompson, Eric Donald
Thompson, Kearns Reid, Jr.
Van Arsdall, Thomas Carter
Vanderlinde, Robert James

Wellman, Garland Odell
Williams, William Harrison, Jr.
Wilson, John McLean
Woodard, Marshall Wayne
Young, Cabell, Jr.

DIPLOMA IN NURSING

Adams, Katie
Ayers, Mary Elizabeth
Bain, Barbara
Barickman, Martha Elizabeth
Beaton, Frances Muriel Spencely
Bowles, Josephine Butler
Boykin, Elizabeth
Coggins, La Una
Covington, Mildred Wilburn
Craddock, Alice Blanche
Cutlip, Elenore
Decker, Kathryn Ann
Farrar, Mary Frances
Farquhar, Mary
Fox, Irene Carolyn
Green, Mary Elizabeth
Greenlee, Helen Ada
Harrison, Ethel F.
Hartley, Kitty Jean
Keese, Ellen Louise
Lewis, Janice B.

Lyon, Frances Katharine
Meeks, Marian I.
Melton, Iris
Miller, Frances Spainhour
Newman, Ruby Ethel
Parker, Mary Virginia
Peppler, Dorothy
Pipkin, Celia Zoe
Quattlebaum, Louise
Reinhardt, Elizabeth Brown
Rose, Ernestine
Santos, Elvin Harvey
Sewell, Genevieve
Smith, Jean Preston
Wall, Jessie Marion
Wells, Lila P.
White, Mary Jane
Whiteside, Elizabeth Kathleen
Wright, Marybelle
Wright, Ruby Roberson
Yount, Kathryn Schultz

PH.D. DEGREE

Barton, Eleanor Phillips, A.B., Woman's College of U. N. C.; A.M., Columbia University.

Dissertation: *The Cyclic Changes of Epithelial Cords in the Dog Ovary*

Brandis, Roland Buford, Jr., A.B., University of Richmond; A.M., Duke University; M.P.A., Harvard University.

Dissertation: *British War Economy: The First Two Years.*

Brown, Walter Varian, A.B., Sc.M., Brown University.

Dissertation: *Cytological Studies in the Paniceae.*

Buell, Jesse Howard, B.S., Wesleyan University; M.F., Yale University.

Dissertation: *The Prediction of Growth of Uneven-Aged Timber Stands on the Basis of Diameter Distributions.*

Caughey, Mary Gladys, B.S., Geneva College; A.M., Columbia University.

Dissertation: *A Physiological and Ecological Study of Certain Pocosin Plants.*

Chaffin, Nora Campbell, A.B., A.M., Duke University.

Dissertation: *Trinity College, 1839-1892: The Beginnings of Duke University.*

Coleman, Maybelle, A.B., Lander College; A.M., Columbia University.

Dissertation: *Poverty and Poor Relief in the Plantation Society of South Carolina. A Study in the Sociology of a Social Problem.*

Harper, Verne Lester, B.S., M.S., University of California.

Dissertation: *Effects of Fire on Gum Yield of Longleaf and Slash Pines.*

Koch, Sigmund, A.B., New York University; A.M., State University of Iowa.

Dissertation: *Spontaneous Fixation in Rats.*

Krause, James Barber, II, A.B., University of Alabama.

Dissertation: *The Structure and Development of the Gonads of the Wood-Eating Beetle, Passalus Cornutus Fabricius.*

Massey, Calvin LeRoy, B.S., Colorado State College; A.M., Duke University.

Dissertation: *The Scolytoidea of North Carolina.*

Punyasingh, Krui, B.S., University of the Philippines; M.S., Cornell University.

Dissertation: *Cytogenetical Studies of Intercrosses Among Diploid, Triploid and Tetraploid Types in Zea Mays L.*

Saunders, Ernest William, B.S., S.T.B., Boston University.

Dissertation: *The Textual Criticism of a Medieval Manuscript of the Four Gospels (Duke Ms. Gr. 7).*

Saz, Arthur Kenneth, B.S., College of the City of New York; A.M., University of Missouri.

Dissertation: *The Effect of Aromatic Iodine Compounds on the Growth and Metabolism of the Tubercle Bacillus.*

Schultz, Harold, A.B., Columbia University; A.M., Duke University.

Dissertation: *South Carolina and National Politics, 1852-1860: A Study of the Movement for Southern Independence.*

Smith, Edwin Studley, B.S., Furman University.

Dissertation: *Synthesis of Anthracene Derivatives.*

Talbert, Robert Harris, A.B., B.S., Southeast Missouri State Teachers College; A.M., University of Missouri.

Dissertation: *The Emergence of Ruraltown.*

Teagarden, Lucetta Jane, A.B., Wilson College; A.M., Duke University.

Dissertation: *Thomas Middleton's Dramatic Materials.*

Ward, William Smith, A.B., Georgetown College; A.M., Harvard University.

Dissertation: *The Criticism of Poetry in British Periodicals, 1798-1820, with a Handlist of Periodicals and a Check-list of Reviews.*

Watts, Helena Brawley, A.B., A.M., Duke University.

Dissertation: *Jonson's Theory and Practice in Regard to the Didactic Theory of Poetry.*

Wellwood, Robert William, B.A.Sc. in F.E., University of British Columbia; M.F., Duke University.

Dissertation: *The Physical-Mechanical Properties of Certain West Indian Timbers.*

Werbel, Burton, A.B., New York University; A.M., Duke University.

Dissertation: *Magnetic and Spectrophotometric Investigations of Some Complex Ions of Iron and Nickel.*

Whitman, William Tate, A.B., A.M., Duke University.

Dissertation: *The Forest Products Industries of the South and Future Employment Possibilities.*

Wilson, Charles Christopher, B.S., University of Miami.

Dissertation: *The Effect of Some Environmental Factors on the Movements of the Guard Cells.*

HONORARY DEGREES

Doctor of Science

Thomas Alfred Morgan

James Stevens Simmons

HONORS IN GRADUATING CLASSES

Summa Cum Laude

Price, Eva Louise

Taylor, Elizabeth McCaw

Magna Cum Laude

Beckel, Samuel Somerville

Roess, Ann Anderson

Bracken, Audrey Olive

Treleven, Harry William, Jr.

Davis, Ann McCarroll

Turner, Mary Hall

Hogg, William Richey

Walker, Howard George, Jr.

Johnson, Elizabeth Ann

Webster, Mary Stuart

Moylan, John Dudley

HONORS IN DEPARTMENTS AND SCHOOLS

Chemistry—Frank Henry Field, Frederick Charles Frostick, Jr., Preson Peek Phillips, Jr., John Pressley Stuart, Jr., Benjamin Lee Smith, Jr.

English—Amanda Lee Bendall, Marjorie Collier, John Dudley Moylan

Physics—Margaret Elaine Ross

School of Nursing—Elenore Cutlip, Barbara Bain, Helen Ada Greenlee

School of Medicine Election to *Alpha Omega Alpha*, Honorary Medical

Fraternity: Lucy Jane Gregory, Watkins Proctor Harvey, Herbert Arthur King, Beatrice Hart Kuhn, Edward David Levy

Junior Honors

Barnwell, Ruth Marshall
Bendall, Jane Weaver
Bloom, Shirley Elayne
Brogan, Edwin Bernard
Carr, John Weber, III
Clark, Robert Arthur
Clark, Stephen Chester, Jr.
Cox, Bessie Alston
Dysart, Juliana
Freels, Mary Nelson
Gardner, Arthur Parcel
Gerber, Gordon Wayne
Gilliam, Kathryn Margaret

Katzenstein, Jack
Lukens, Margaret Tyson
Lundeberg, Philip Karl Boraas
McGriff, Mary Emily
Nauman, Robert Vincent
Ranger, Mary
Stephens, Bart Nelson
Stovall, John Reed, Jr.
Thackston, Frances Venable
Trudell, Evelyn Virginia
Wallace, Stanley Lawrence
Zirato, Bruno, Jr.

Sophomore Honors

Beckert, Shirley Louise
Blackburn, Lillian Ione
Brett, Elizabeth Ann
Buttle, Barbara Louise
Dackis, William Charles
Freeman, Carol
Hoover, Sylvia
Horton, Janet Van Rensselaer
Jones, Marjorie May
Kansteiner, Helen Ruth
Lewis, John Barkley
McCall, June
McDonald, Ruth Reade

Meinecke, Evans Arnold
Merritt, Mary Louise
Morrison, Mary Ann
Myers, Charles Rudolph
Olive, Betsy Ann
Phipps, Carol King
Rose, Ronald Seymour
Schluter, Alice Hazel
Seidenman, Joan
Wansker, William Charles
Ware, Norma
Wood, Lois Edna

Freshman Honors

Allaben, Charlotte Jane
Ammerman, Jane
Bennett, Edgar Bowling
Bernhardt, Evelyn
Chelimer, Edith
Gross, Beatrix Cobb
Gurganus, William Ray
Jordan, Sara Alice
Kibler, Robert Franklin
Lenczyk, Rudolph Edwin
Longino, Frank Henry
Lovelace, Mary Ellen
McCanless, Edgar Eugene
McPherson, Harry Thurman

Martinelli, Robert Owens
Mirick, Marjorie
Pace, Emma Jean
Roberts, Rachel
Saperstein, Passie
Smith, Ethelyn
Smith, Rosalind Gower
Taylor, Betty Ann
Terry, Charles Strong, Jr.
Vail, Evelyn Gray
Waggoner, Lonnie Austine, Jr.
Weiss, Ruth Glorie
Wilson, James Burnett
Young, William Glenn, Jr.

DEGREES AWARDED IN SEPTEMBER, 1942

(The following earned degrees since Commencement in 1942; the degrees were awarded in September, 1942.)

A.B. DEGREE

Algranti, Rosalie
Allen, Lavinia
Anthoine, Robert

Baroody, B. J.
Berg, Roy Gene
Brent, Helen

Bulluck, Maude Southerland
 Connelly, Thomas Francis
 Cromartie, Richard Lemuel, Jr.
 De Lancey, Charles Edward
 DeLong, William Marsh
 Donald, Margaret
 Elder, William Howard
 Fraas, George William
 Greiner, Morris Esty, Jr.
 Hickman, Edward Craig
 Hutson, James Jackson
 Jones, Thelma
 Joyner, Aquilla H., Jr.
 Kelly, George Lafayette Austin, II
 Kindlund, Nelson
 Kirkland, Dorothy Faucette
 Kirkpatrick-Howat, Yvone
 Kough, William Henry
 Lisle, Edith Elizabeth
 Ludwig, William Morton
 McCaskil, Samuel Gault
 McGhee, James Thomas
 McLaughlin, Joseph, Jr.
 McNulty, Frank Bacon, Jr.

Miller, Arthur Bernard
 Miller, Robert Barclay, Jr.
 Murray, Janet McCall
 Page, Billy Joe
 Phelps, John Howard, Jr.
 Porter, Joseph Edward
 Powers, Margaret
 Prothro, James Thompson, Jr.
 Price, Paul Eugene
 Riley, Joseph William
 Rowe, Charles Austin, Jr.
 Russell, Philip Everitt
 Scott, Robert Thornton
 Shinn, John Lloyd, Jr.
 Stanley, William Ezra, Jr.
 Stetler, Edwin Lohr
 Stonesifer, Edward Arthur, Jr.
 Thompson, Margaret Mullen
 Trakas, George Andrew
 Upchurch, Edith Katrine
 Van Voorhis, Dorothy Bishop
 Vick, Joe Pitts
 Zinn, Charles Andrew

B.S. DEGREE

In Civil Engineering

Sawyer, John

In Electrical Engineering

Johnston, Ronald Alexander

In Mechanical Engineering

Donahoe, Donald David
 Keith, Arvid Lee, Jr.

Strickland, Wyatt Bailey
 Waldron, John Wood

A.M. DEGREE

Aimar, Caroline Picault
 Barton, Jessie Beatrice Smith
 Boney, Nancy Virginia
 Brooks, Jessie Mae
 Buller, Laura Eshleman
 Carter, Maude
 Chambers, Moreau Browne
 Congleton
 Chisman, Margaret Sue
 Christy, Wayne Herron
 Clark, Martha Louise
 Cooper, John Marvin
 Covington, Philip Stanhope Sheffield
 Cox, Esther Lee
 Darlington, Lacy Neil
 Fultz, Mary Catherine
 Gibbs, Frances Ruth
 Godard, Doris Elizabeth
 Gordon, Donald Precourt
 Guito, Anna Shepherd

Haag, Vincent Harold
 Herndon, Nannie Mae
 Hershey, John Warren
 Hill, Cleo Madeline
 Holcombe, Lena Mae
 Holzworth, Robert Haviland
 Hooper, Charlotte Lucille
 Horton, George Raymond
 Howard, Lula Virginia
 Jay, Lemuel Eugene
 Johnson, Kathryn Eloise
 Kiser, Vernon Benjamin
 Lang, Cecil Yelverton
 Martz, Edward Everts
 Melton, Jack Robert
 Mitchell, Katherine Hurt
 Morana, Simon Joseph
 Mowshowitz, Israel
 Paschal, Mary Naomi
 Pratt, Ellis Carl

Pushard, Gladys Garrett
 Rasor, Ellen Frances
 Ratcliffe, Anne King
 Robinson, Woodrow Wilson
 Rodgers, Charles Leland
 Sams, Alma Frances
 Scheraga, Harold Abraham
 Sites, Thelma Wilson
 Sleichter, Martha Beryl
 Sutor, Jack Alexander

Tabor, Dorothy Hazel
 Thomas, Nettie Florence
 Thompson, Evan Lewis
 Tomeny, Rose Nell
 Trent, Rosalind Lee
 Whitlatch, Lewis Wade
 Wilhite, Arthur Bolton
 Wolfarth, William
 Wyly, Anne Ethel
 Young, Worth John

M.ED. DEGREE

Backus, Elbert Leon
 Backus, Tulsa Eloise
 Black, Roland Joseph
 Blackburn, John Hartley
 Burdette, Dorothy Nell
 Burkhardt, William Emory
 Burks, Harry Hunter, Jr.
 Byrd, James Curtis
 Chatfield, Carolyn Lucinda
 Collins, Annie Ethelene
 Cope, Lois Ruth
 Daniels, Archie Shields
 Etzel, William George
 Flanders, Horace Marion, Jr.
 Funk, Thorold Shaffer
 Gatlin, Ruth Arrie
 Gentry, Thomas Oliver
 Haliburton, Hilda Smathers
 Harris, Adah Lenora
 Henderson, Florence Nadelyn
 Holst, Louis Samuel
 Hook, Kenneth Boyd
 Hughes, Sanford William
 Johnson, Clyde Alexander

Jones, Vivienne Allen
 Krebs, Vera May
 Madison, Graham Rex
 Mannello, George, Jr.
 Mannello, Jeannette Domres
 Marshall, Harris Andrew
 Mitchell, Isaac Leonidas
 Mowrey, Corma Alice
 Newlon, Merle Dwight
 Ouzts, James Byrnes
 Packard, Emerson Warren
 Pinnell, Margaret Smoot
 Rickman, Raymond Horatio
 Robinson, James Seward, Jr.
 Scott, Bernice Murray
 Shufflebarger, Irma Frances
 Smith, Mary Wilson
 Smith, Ruby Elizabeth
 Southerland, Beatrice Marie Carver
 Starnes, Charles Fugate
 Usrey, Nancy Emily
 Weathers, Ray Elam
 West, Harold Fane
 Wilson, Raymond G.

LL.B. DEGREE

Arwe, Kenneth Jay
 Carmichael, Oliver Cromwell, Jr.
 Henderson, Charles Jenkins
 Latham, James Farr
 Lofton, John Marion, Jr.

Mimms, Carney Wilson, Jr.
 Morrow, Henry Walton
 Sigmon, Jackson Marcus
 Tally, Joseph Oscar, Jr.

ROLL OF STUDENTS 1942-1943

TRINITY COLLEGE

FRESHMAN CLASS

Abrams, Herbert Seymour	Harrisburg, Pa.
Addington, Dale Theodore, Jr.	Cincinnati, O.
Albanese, Robert Walter	Garfield, N. J.
Albertson, Nial Brodhead	Philadelphia, Pa.
Allen, Brooks	Atlanta, Ga.
Allen, Louis Carr, Jr.	Burlington, N. C.
Allen, Roland Durant	New London, Conn.
Amis, Charles James	Durham, N. C.
Angier, Newton Duke	Durham, N. C.
Applegate, Alfred Jackson	Clifton, N. J.
Armstrong, Robert Allan	Morgantown, W. Va.
Arnold, James Schoonover	Chicago, Ill.
Atcheson, Frank Arthur	Almont, Mich.
Ausbon, Douglas Hix	Durham, N. C.
Aycock, William Glenn	Kenly, N. C.
Bacon, John Lucas	Sandusky, O.
Barone, Nathaniel La Dura, Jr.	Jamestown, N. Y.
Bartlett, Arthur William	Silver Creek, N. Y.
Baugh, Ruffner Perry	Charlotte, N. C.
Baynes, Bascom Thornton, Jr.	Durham, N. C.
Beaman, Robert Prentis, Jr.	Norfolk, Va.
Beaudouin, Harry Edward, Jr.	Hewlett, N. Y.
Beddingfield, Richard Jackson	Great Neck, N. Y.
Beddingfield, Wade Ramsey, Jr.	Augusta, Ga.
Belk, Henderson	Charlotte, N. C.
Beres, Herbert	Lynbrook, N. Y.
Berngard, Lawrence Jay	Chicago, Ill.
Booth, Richard Gene	Welch, W. Va.
Boyd, Benjamin Franklyn	Panama City, Panama
Boyles, Paul Weldon	Gibsonville, N. C.
Breese, Patrick A.	Hamilton, O.
Briggs, Ronald Urton	Dayton, O.
Brooks, Thurman Seay	Wilson, N. C.
Brown, Allan M.	Chicago, Ill.
Brownfield, Eldon Guy, Jr.	Madisonville, Ky.
Buckley, Donald Bright	Washington, D. C.
Burnette, Colbert Hulet, Jr.	Durham, N. C.
Burnside, John Edward, III	Charlotte, N. C.
Butler, William Stanton	Little Neck, N. Y.
Caleo, Leon Joseph	Norfolk, Va.
Campbell, Claude Waldrue	Durham, N. C.
Carroll, Kenneth Lane	Easton, Md.
Cassidy, Herbert Ray	Altoona, Pa.
Cella, Andrew	Trenton, N. Y.
Chambers, Chester Leslie	Freeport, N. Y.
Chandler, James Thomas	Wilmington, Del.
Chapman, Thomas Louis	East Orange, N. J.
Christopher, Benjamin Bellows	White Stone, Va.
Clark, George Edward, Jr.	Milton, Mass.

Clarkson, Robert Livingston
Clisby, Thomas Lyon
Cobb, George Everett
Coggins, Wilmer Jesse
Cole, Richard Shipley
Coleman, Jack Lillard
Collins, Jesse B.
Collins, Warren James
Conroy, Joseph Alphonse, Jr.
Considine, Stephen Donald
Cowin, Robert Edwin
Craft, Thomas Leroy
Crane, Frank
Cunningham, Meriwether Lewis
Currier, Richard Dustin
Davis, James William
Davis, Thomas Harmon
Day, Lewis Clyde
De Cosier, Linton Henry
Deibler, John Henry
De Laney, Harry McClure
Dempsey, Jack Page
Der Wallis, Jerome Robert
De Vore, Leonard Horton
De Witt, Peter Broomhead
Dibble, Philip Gage
Dickerson, Claude Wyatt, Jr.
Dillon, Marcus Lunsford
Doig, Calvin De Witt
Dolson, Thomas Lee
Dorman, Bruce Hugh
Ducker, William Greer
Dudenhoeffer, Daniel George
Duncan, Lawrence McFarland
Early, Albert Terry
Easterling, John Garlick
Edney, Hubert R.
Edwards, William Jordan, Jr.
Efird, George Hampton
Eggleston, George Richard Powers
Elderkin, Walter Raymond
Elliot, Arthur Calvin
Elmen, Paul Halvorsen
Emerman, Maxwell Louis
Endriss, Warren Oakley
Farber, Charles
Farrar, Julian Walker
Farthing, James D.
Fekas, Paul William
Fellers, Joseph Ambrose
Ferguson, Paul
Fetherstone, Thomas Hull
Finn, Peter Gregory
Fisher, Robert Ross
Fleckenstein, Leo William
Fleming, William Benjamin
Forbes, Dan Sylvester
Fowler, Warren Dean, Jr.
Freeman, Donald Oliver

Bayville, Long Island, N. Y.
Montclair, N. J.
Freehold, N. J.
Madison, Fla.
Norfolk, Va.
Burgin, Ky.
Havard, Ky.
Comas, Wash.
Locust Grove, Queens, N. Y.
Baldwin, N. Y.
Franklin, Pa.
Bethel, N. C.
Detroit, Mich.
Winston-Salem, N. C.
Rye Beach, N. H.
Wilson, N. C.
Scranton, Pa.
Canton, Ga.
Raleigh, N. C.
Highspire, Pa.
Charlotte, N. C.
Greensboro, N. C.
Newport, R. I.
Cincinnati, O.
Grand Haven, Mich.
Birmingham, Mich.
Roanoke, Va.
Lewisburg, W. Va.
Packanack Lake, N. J.
Fort Myers, Fla.
Plainfield, N. J.
Charlotte, N. C.
Brooklyn, N. Y.
Asheville, N. C.
Welch, W. Va.
Rocky Mount, N. C.
Skyland, N. C.
Weldon, N. C.
Albemarle, N. C.
Manchester, Conn.
Montclair, N. J.
Montclair, N. J.
Leonia, N. J.
Erie, Pa.
West Haven, Conn.
Newark, N. J.
Carthage, N. C.
Durham, N. C.
Newport News, Va.
Wadesboro, N. C.
Fall River, Mass.
Baldwin, N. Y.
Detroit, Mich.
Youngstown, O.
Rochester, N. Y.
Ravenswood, W. Va.
Gastonia, N. C.
Red Bank, N. J.
Tulsa, Okla.

Furst, William Dunton
 Gable, Laurence John
 Gaillard, Stephen Lee
 Gallagher, Robert Gumalia
 Galloway, Gordon Rountree
 Garrick, Grier Lucius, Jr.
 Gibbs, Robert Pearson
 Gilbert, Clarence Wesley
 Gordon, Harold William
 Granville, Joseph Ensign
 Griffiths, Arthur George
 Griswold, Richard Sheldon
 Groome, James Hunter
 Groves, John Harrison
 Gunst, Cyril Curtis, Jr.
 Gurganus, William Ray
 Hadlock, Channing MacGregor
 Haines, George Louis, Jr.
 Hale, Lewis Gordon, Jr.
 Hamer, Daniel Curtis, Jr.
 Hanlon, David Gordon
 Hartley, Howard Paul
 Hartzell, Arthur Rupp, Jr.
 Harwood, Frederick William
 Hattaway, James Herbert
 Hawkins, James Robert
 Hayworth, Joseph Allison
 Hebb, John Hopewell
 Heimberger, William Charles
 Henry, William Charles
 Herring, Howard Egbert, Jr.
 Hickerson, John Hightower
 Higgins, Fred Clay, Jr.
 Hill, Donald Wilton
 Hill, Thomas Bayard, Jr.
 Hine, Harold Kirkham
 Hines, Paisley Turner, Jr.
 Hipp, Marion Alexander
 Hirshland, Lee David
 Hodgson, Henry Hoyle
 Hoge, De Forest
 Holland, Robert Lauman
 Hollingsworth, James William
 Holmes, Irvis Alvin, Jr.
 Honeycutt, Lex Edward
 Hounsell, Carl Warren
 Howerton, Beverly Royster
 Hunt, Walter Leon
 Huntley, Justus Robert, Jr.
 Hutchins, Robert White
 Hutchinson, Herbert Malcolm
 Jay, W. Thomas, Jr.
 Jerritt, James Albert
 Johnson, Edwin Gustave
 Johnson, James Patton
 Johnston, Donald MacDuff
 Johnstone, Laurie John
 Jones, Edward Earl
 Jones, Luther Clarke, Jr.

Catonsville, Md.
 Webster Groves, Mo.
 Bronxville, N. Y.
 Ravena, N. Y.
 Lecompte, La.
 Decatur, Ga.
 Tampa, Fla.
 Port Richmond, N. Y.
 Portsmouth, O.
 Westport, Conn.
 Tamaqua, Pa.
 Stratford, Conn.
 Greensboro, N. C.
 Summersville, W. Va.
 Glenshaw, Pa.
 Rocky Mount, N. C.
 Stanton, N. J.
 Washington, D. C.
 Scarsdale, N. Y.
 Durham, N. C.
 Scarsdale, N. Y.
 Ravenswood, W. Va.
 Trenton, N. J.
 Longmeadow, Mass.
 Greensboro, N. C.
 Mebane, N. C.
 High Point, N. C.
 Baltimore, Md.
 St. Albans, N. Y.
 Atlanta, Ga.
 Wilson, N. C.
 Washington, D. C.
 Rome, Ga.
 Durham, N. C.
 Bronxville, N. Y.
 Bridgeport, Conn.
 Greensboro, N. C.
 Charlotte, N. C.
 Reading, Pa.
 Newport, R. I.
 Bronxville, N. Y.
 Williamsport, Pa.
 Mount Airy, N. C.
 Newport News, Va.
 Gold Hill, N. C.
 Colebrook, N. H.
 Durham, N. C.
 Unadilla, N. Y.
 Westfield, N. J.
 Winston-Salem, N. C.
 East Orange, N. J.
 Bradford, Pa.
 Kenansville, N. C.
 Cedar Grove, N. J.
 Lakeland, Fla.
 Needham, Mass.
 Ocean City, N. J.
 Durham, N. C.
 Richmond, Va.

Jones, Theodore William
 Josey, William Ellis, Jr.
 Jung, David Elbert
 Kalander, William Robert
 Karukstis, Paul, Jr.
 Keeler, LeRoy Heany, Jr.
 Keller, Lewis Evans
 Kibler, Robert Franklin
 King, Lewis William
 Knie, Richard Erwin
 Knowland, Andrew Richardson
 Koontz, Garland Paul
 Korelitz, Burton Irwin
 Krivit, William
 Kyler, Edwin Bruce
 Lamb, Jack Cecil
 Laney, Ernest John, Jr.
 Lattimore, George Festus, Jr.
 Layden, Paul William
 Leach, John William, Jr.
 LeBus, Frazer Dunlap, Jr.
 Lee, Edwin Borden, Jr.
 Leigh, Robert Edward, Jr.
 Lenczyk, Rudolph Edwin
 Leograndis, Stephen Cosmos
 LeValley, Victor Ritzendollar, Jr.
 Levy, John Albert
 Lewis, Clarence Winfield, Jr.
 Lies, William, III
 Lineberger, Jon Walter
 Linker, Morrison Lee
 Linkous, Walter Witten
 Little, Charles Edward
 Livesey, Charles Edwin, Jr.
 Loftus, Robert Frederick
 Logue, John Terrell, Jr.
 Long, John Courtenay
 Long, Marion le Roy
 Longino, Frank Henry
 Lorenzen, Robert Frederick
 Love, Frank Swindell
 McAlduff, Thomas Philip
 McAlister, Joe Howard
 McCanless, Edgar Eugene
 McCaskill, Dudley DeWitt
 McCauley, Thomas Henry, Jr.
 McCown, Wallace Hardin
 McCreight, Paul Willard
 McCullen, Alpheus Adams, Jr.
 McCullen, William Hoffman
 McGinnis, George Ira
 McGraw, William Higgins
 McKee, Robert William
 McKelvie, Henry Rennie
 McKenzie, Braxton Vandon
 McMartin, George Mann
 McPherson, Harry Thurman
 McPherson, Walter Kelly
 McWilliams, Thomas Peter

Warren, O.
 Bartow, Ga.
 Snyder, N. Y.
 Stamford, Conn.
 St. James, N. Y.
 Philadelphia, Pa.
 Norfolk, Va.
 Durham, N. C.
 Lincoln Park, Pa.
 New London, Conn.
 Goshen, Mass.
 Durham, N. C.
 Lawrence, Mass.
 Linden, N. J.
 Johnstown, Pa.
 Naples, Fla.
 Beaver, Pa.
 Kings Mountain, N. C.
 Union City, Pa.
 Atlanta, Ga.
 Lexington, Ky.
 Goldsboro, N. C.
 Cove City, N. C.
 Newington, Conn.
 Framingham, Mass.
 Bristol, Tenn.
 Rye, N. Y.
 Greensboro, N. C.
 Coleman, Ga.
 Lincolnton, N. C.
 Concord, N. C.
 Pineville, W. Va.
 Norfolk, Va.
 Newport, R. I.
 Worcester, Mass.
 South Orange, N. J.
 Hamden, Conn.
 Durham, N. C.
 Texarkana, Ark.
 Toledo, O.
 Burlington, N. C.
 Garden City, N. Y.
 Caruthersville, Mo.
 Canton, Ga.
 Tifton, Ga.
 Durham, N. C.
 Johnson City, Tenn.
 Huntington, W. Va.
 Durham, N. C.
 Maplewood, N. J.
 Rochester, N. Y.
 New York, N. Y.
 Fanwood, N. J.
 Huntsville, Ala.
 Winston-Salem, N. C.
 Detroit, Mich.
 Walnut Cove, N. C.
 Edgeworth, Pa.
 Scranton, Pa.

Madden, William Murray
 Magbee, Laban Samuel
 Mahony, Donald Vincent
 Maker, Winston Olin
 Makosky, Robert Charles
 Mangin, Joseph Aloysius
 Marcher, Royal, Jr.
 Markham, Charles Buchanan
 Marsh, Spinks Hamilton
 Marsic, Frederick Eugene
 Martin, Joseph Williamson
 Martinelli, Robert Owens
 Mason, Read
 Matheson, Cyrial Richard
 Meacomes, Horace Melton
 Menerth, Edward Franklin, Jr.
 Metropol, George
 Metz, Donald Frederick
 Midkiff, Jesse William
 Millard, David Dean
 Miller, Arthur
 Miller, Arthur Marcus, Jr.
 Miller, Walter James, Jr.
 Moen, Roger Orin
 Moore, James Henderson
 Morgan, James Leroy
 Morgenroth, Frederic Heyward
 Morris, John Robert
 Morrison, Francis Warren
 Mulligan, Alla Purse, Jr.
 Murray, Robert Filgo
 Muse, John Rogers
 Musselman, William Barry
 Nease, Edgar Harrison
 Norwood, Charles Allen
 Oder, Robert James
 Overman, Jack LeRoy
 Owens, William Francis
 Pablo, Herbert Sebastian, Jr.
 Pack, Stanley Harris
 Palmer, Walter Weidman
 Parker, Mayon Vann
 Paulsen, Norman, Jr.
 Phelps, Laurence Martin, Jr.
 Pittman, Eborn Simpson, Jr.
 Pittman, Luther Hollingsworth
 Plapinger, Wallace Roland
 Plessner, Fred Theodore
 Pool, Stedman Charles
 Pope, Warren Harold
 Porter, Richard John
 Prager, Edward Richard
 Price, Robert Whiteside
 Prior, Freeman Garver
 Puterbaugh, Walter Henry, Jr.
 Queen, Lawrence Talmadge, Jr.
 Ramsey, Donald Maxwell
 Ray, Thomas Lafayette
 Read, William Marsden, III

Laurens, S. C.
 Atlanta, Ga.
 Sparlos, Md.
 Dennisport, Mass.
 Alhambra, Calif.
 Maplewood, N. J.
 New York, N. Y.
 Durham, N. C.
 Monroe, N. C.
 Caldwell, N. J.
 Grand Rapids, Mich.
 Covington, Va.
 Painesville, O.
 Newton, N. C.
 Bailey, N. C.
 Mountainside, N. J.
 Manning, S. C.
 Scarsdale, N. Y.
 Pennington, N. J.
 Detroit, Mich.
 Mt. Vernon, N. Y.
 Elmira, N. Y.
 Mt. Airy, N. C.
 Raleigh, N. C.
 Detroit, Mich.
 Norfolk, Va.
 Winston-Salem, N. C.
 Youngstown, O.
 Daytona Beach, Fla.
 Greensboro, N. C.
 Lenoir, N. C.
 Charlotte, N. C.
 Maplewood, N. J.
 Charlotte, N. C.
 Raleigh, N. C.
 Toledo, O.
 Scarsdale, N. Y.
 Clarksdale, Miss.
 Miami, Fla.
 Gastonia, N. C.
 Easton, Pa.
 Durham, N. C.
 East Orange, N. J.
 Baltimore, Md.
 Kinston, N. C.
 Baltimore, Md.
 Trenton, N. J.
 Jackson Heights, N. Y.
 Norfolk, Va.
 Bordentown, N. J.
 Swampscott, Mass.
 Riverside, N. J.
 Bronxville, N. Y.
 Falls Church, Va.
 Johnstown, Pa.
 Greensboro, N. C.
 Marion, N. C.
 Erwin, Tenn.
 Maywood, N. J.

Reaves, Edwin LeRoy
 Remmey, John Grauch
 Richman, Harold Morton
 Rickert, Robert Dale
 Ridenhour, Robert Lee
 Riley, Joe Paul
 Roach, Henry Herman, Jr.
 Rogers, Rembert Alexander
 Rosen, Leonard Emanuel
 Rosenberg, Alvan Frederick
 Rosso, Leonidas, Jr.
 Rowan, Timothy Eugene
 Rudlin, Leonard
 Ryan, John Edward
 Sandberg, Theodore Ernest
 Sanders, George Jamie
 Sarazen, Paul Mark
 Saunders, Keith Stanley
 Scates, Jack Mack
 Sceery, Richard Henry
 Schaller, Howard Graham
 Schwartz, Stephen Wise
 Sedwick, Benjamin Frank
 Sharpe, James Browne
 Shealy, George Leon, Jr.
 Silver, Norman Jay
 Simon, John B.
 Simpson, Harold Lester
 Simpson, John Philip
 Smith, Clarence Franklin, Jr.
 Smith, Edward Thompson
 Smith, James Bryant
 Smith, Jimmy Clyde
 Smith, Raymond Alfred
 Smith, Whitefoord, Jr.
 Smith, William Arthur
 Smoots, Edwin Harold
 Snow, Jack Ramsey
 Somerville, John Henry
 Sophocles, Ford Michael
 Spence, Paul Herbert
 Spencer, Allen
 Stein, James Richard
 Storrs, Phil
 Strickman, Arthur Edwin
 Strohm, Charles Frederick
 Stuart, John Bruce, Jr.
 Sulzer, Richard Lee
 Sutherland, John McIntyre
 Swiger, Quentin Gilbert
 Tally, David Kenneth Taylor
 Taylor, William James
 Terry, Charles Strong, Jr.
 Terry, Isaac Holt, Jr.
 Thiel, Robert Besant
 Thomaidis, Theodore George
 Thomas, Bernard Hylton
 Thomas, Henderson Lee
 Tolley, Aubrey Granville

Asheboro, N. C.
 Philadelphia, Pa.
 Newport News, Va.
 Tuckahoe, N. Y.
 Kannapolis, N. C.
 Tampa, Fla.
 Raleigh, N. C.
 Albemarle, N. C.
 Englewood, N. J.
 North Falmouth, Mass.
 Elizabeth City, N. C.
 Falls Church, Va.
 Richmond, Va.
 Villanova, Pa.
 Munhall, Pa.
 McCormick, S. C.
 White Plains, N. Y.
 Plainfield, N. J.
 Fulton, Ky.
 West Hartford, Conn.
 Sharon, Pa.
 Woodmere, N. Y.
 Catonsville, Md.
 East Orange, N. J.
 South Orange, N. J.
 New York, N. Y.
 Newark, N. J.
 Dillon, S. C.
 Philadelphia, Pa.
 Louisville, Ky.
 Goldsboro, N. C.
 Washington, N. C.
 Albemarle, N. C.
 Mount Airy, N. C.
 Charlotte, N. C.
 Camden, S. C.
 Alliance, O.
 Fulton, Ky.
 Cumberland, Md.
 Stamford, Conn.
 Crossville, Ala.
 Salisbury, N. C.
 Detroit, Mich.
 Cincinnati, O.
 Lawrence, N. Y.
 Cleveland, O.
 South Orange, N. J.
 New York, N. Y.
 Kenmore, N. Y.
 Clarksburg, W. Va.
 Fayetteville, N. C.
 Warsaw, N. C.
 Laurel, Miss.
 Bahama, N. C.
 Kearny, N. J.
 Washington, D. C.
 Leaksville, N. C.
 Carthage, N. C.
 Lynchburg, Va.

- Travers, Morris Schuman, Jr.
Trovato, Raymond Robert
Tull, Richard Lewis
Turlington, Thomas Eli
Turner, Kenneth Mayton
Tuttle, James Gray
Tuttle, Roger Dinsmore
Veazey, Luther Roycroft
Vegliante, Neal John
Waggoner, Lonnie Austine, Jr.
Walker, I. C., Jr.
Walker, Robert Sanford
Walker, William Brewster
Walter, Robert Wheaton
Walters, David Monroe
Warner, Joseph Ernest, Jr.
Washer, Robert Ralph
Waters, Joe Frazier
Watkins, Thomas William
Watson, William Wood
Watts, Robert Johnson
Way, David Earl
Weaver, Robert Lee
Weeks, Rufus Heywood
Weeks, Ted Creech, Jr.
Weir, Jordan Haines
Weld, Edwin Granger
Wells, Thomas Harvey
Wells, William Miles, Jr.
Wheeler, John
Whitaker, Richard Young
White, Charles Palmer
Whitener, Fred William
Whitley, William Lee
Whyte, Donald Leslie
Wilchins, Lawrence Jack
Wile, Peter Edwin
Williams, Roger Davis
Williams, Steve Jay
Williams, Wade Hampton
Willoughby, Robert Earl
Wilson, Alday Clements
Wilson, James Burnett
Wilson, Robert Lincoln
Wimbrow, Charles Samuel
Winbiger, Robert Frank
Windham, Theron Johnson
Wintner, Stuart A.
Witzel, Henry Fred, Jr.
Wolfe, Joseph Garland
Wolfe, William Raymond
Wolff, Robert Stanley
Wolff, Thomas Conrad, Jr.
Wood, James Madison
Wood, James Robert
Woodall, Jack Charles
Woodbridge, E. Byron
Wright, Wilson Bruce
Yard, Chester Arthur, Jr.
Trenton, N. J.
Larchmont, N. Y.
Detroit, Mich.
Clinton, N. C.
Durham, N. C.
Raleigh, N. C.
West Palm Beach, Fla.
Durham, N. C.
Hamden, Conn.
Charlotte, N. C.
Woodland, Ga.
Baldwin, N. Y.
Bridgeport, Conn.
Port Washington, N. Y.
Dublin, Ga.
Winston-Salem, N. C.
Scranton, Pa.
Johnstown, Pa.
Flushing, N. Y.
Orleans, Mass.
Louisville, Ky.
Waverly, O.
Drexel Hill, Pa.
Charlotte, N. C.
Eccles, W. Va.
Wunda, N. Y.
Clifton Springs, N. Y.
Birmingham, Mich.
Wilson, N. C.
Ridgewood, N. J.
Valdosta, Ga.
Rochester, N. Y.
Shelby, N. C.
Kannapolis, N. C.
Princeton, N. J.
Cincinnati, O.
New York, N. Y.
Charlotte, N. C.
Elmer, N. J.
Charlotte, N. C.
Detroit, Mich.
Ingleside, Md.
Charlotte, N. C.
East Orange, N. J.
Denton, Md.
Mansfield, O.
Columbus, Ga.
Shaker Heights, O.
Maplewood, N. J.
Greensboro, N. C.
Verona, Pa.
Rhodesdale, Md.
Baltimore, Md.
Salamanca, N. Y.
Norfolk, Va.
Durham, N. C.
Tamaqua, Pa.
Durham, N. C.
Webster Groves, Mo.

Yelverton, John Lane
 Yetter, William Walter
 Yorke, Douglas Arthur
 Young, William Glenn
 Zega, Lester Walter
 Zoller, Miles Miller, Jr.
 Zooleck, Carl Henry

Fremont, N. C.
 Claymont, Del.
 Scarsdale, N. Y.
 Washington, D. C.
 Plainfield, N. J.
 Cincinnati, O.
 Waterbury, Conn.

FRESHMEN ENTERING TRINITY COLLEGE, JANUARY, 1943

Alexander, Roy L., Jr.
 Atkins, Robert Myrick
 Beaman, Nathaniel, III
 Betts, Wilmer Conrad
 Borden, Windsor John
 Branscomb, Lewis McAdory
 Brooks, Robert Marshall
 Burwell, George Ernest, III
 Carter, Donald Dean
 Cato, Ben Ralph
 Clark, George Philemon, Jr.
 Clayton, Robert Lawrence
 Cooke, Jere Kinney
 Coster, Howard Littleton
 Cowan, (Martin) Kenneth
 Cox, James Howell
 Cuff, Robert William
 Donovan, John Smith
 Donze, Charles Amedee, Jr.
 Doyle, Rodger Pirnie
 Edwards, Ralph Pearson
 Elam, William Nile, Jr.
 Ellis, Charles Thomas, Jr.
 Ervin, Charles Conger
 Felker, Clay Schuette
 Felton, Eric Rogers
 Gage, Lucius Gaston
 Green, Emry Capelle
 Harris, Norman Arthur
 Holeman, Richard Blacknall
 Javer, Jerome Milton
 Jayne, Walter Talmage, Jr.
 Jordan, Gerald Ray, Jr.
 Keye, John Dudley, Jr.
 Knotts, Ernest Mack
 Koon, George Nicholas
 Landon, Donald Omar
 Lauffer, Richard Albert
 Lyerly, James Gilbert, Jr.
 MacDonald, Kenneth Charles
 Mason, Ward Sherman
 Moore, Jesse Seneca, Jr.
 Northup, Aldrich Holt
 Perkinson, Carl Joseph
 Pursley, William Knox
 Roberts, Levi James, Jr.
 Ryan, Stephen Andrew
 Sale, Edward Dalton
 Scott, Walter, Jr.
 Shaw, John (Bill) William

Englewood, N. J.
 Paragould, Ark.
 Norfolk, Va.
 Raleigh, N. C.
 Oswego, N. Y.
 Durham, N. C.
 Charlotte, N. C.
 Spartanburg, S. C.
 Erwin, Tenn.
 Charlotte, N. C.
 Wilson, N. C.
 New Orleans, La.
 Charlotte, N. C.
 Washington, D. C.
 Washington, D. C.
 Mount Airy, N. C.
 Floral Park, N. Y.
 Haddonfield, N. J.
 Philadelphia, Pa.
 White Plains, N. Y.
 Charlotte, N. C.
 Washington, D. C.
 Pensacola, Fla.
 Lenoir, N. C.
 Webster Groves, Mo.
 Wilson, N. C.
 Charlotte, N. C.
 Greensboro, N. C.
 Ridgecrest, N. C.
 Timberlake, N. C.
 Brooklyn, N. Y.
 Richmond, Va.
 Charlotte, N. C.
 Hutchinson, Kan.
 Albemarle, N. C.
 Asheville, N. C.
 Durham, N. C.
 Passaic, N. J.
 Jacksonville, Fla.
 Birmingham, Mich.
 Philadelphia, Pa.
 Reidsville, N. C.
 Pensacola, Fla.
 Asheville, N. C.
 Clover, S. C.
 Norfolk, Va.
 Miami, Fla.
 High Point, N. C.
 Baltimore, Md.
 Jacksonville, Fla.

Sherman, Alfred Jay
 Simons, Henry Augustus
 Simpson, Zachary Arnold
 Theyskens, William Grover
 Trace, Keith B., Jr.
 Warren, Joseph Benjamin
 Weeks, Joe Richard
 White, John Mercer
 Willett, Robert Walter

Harrisburg, Pa.
 Jamaica, N. Y.
 Charlotte, N. C.
 Stamford, Conn.
 Detroit, Mich.
 Lenoir, N. C.
 Clarksdale, Miss.
 Richmond, Va.
 New York City, N. Y.

SOPHOMORE CLASS

Asterisk indicates that the student has not attained full class standing in hours or quality points.

*Ahlers, Thomas Frederick
 *Alexander, Johnny Frank
 Alger, John Robert
 Allsopp, Richard Howard
 Ambrose, Robert Brown
 Anderson, John Roland
 *Andrews, Clarence Webster
 Arnold, Robert Anthony
 Ayling, Kingsley Brockway
 Bailey, Thomas Liggett
 Baird, Wasson
 Baldwin, John Richard
 Barkan, Stanley Bernard
 Barrett, Marshall Adrian, Jr.
 Beall, Charles Howard
 Belcher, Carl William
 Bell, Robert Fairfield
 *Bell, William Seaman
 Bentley, Walter John, Jr.
 Berkley, Eugene Bertram
 Bertels, Norman Hurst, Jr.
 *Bethune, Edward Preston, Jr.
 Bettes, Robert Sharpe
 *Bittle, Claude Ehresmann
 Blanchard, Charles Fuller
 Bodle, Robert Allan
 Bond, William McCambridge
 Borbely, James Andrew
 *Bosson, Lewis Paulfray
 Bowen, Ward Beryl
 Bowman, Robert Willett, Jr.
 Bradley, Floyd Henry, Jr.
 Bradley, Walter Dillistin
 Brand, John Sibley
 Branscomb, Ben Vaughan
 *Brewer, Philip Stephen
 Brinkley, William Lambreth, Jr.
 Bristow, Elmer Linwood, Jr.
 Brock, Charles Lee
 *Brooks, Allan Arthur, Jr.
 Brown, Rowland C. Widrig
 Browning, James Robert
 Buckley, Allen F.
 Buckley, Joseph Howard
 Bullock, George Pleasant
 *Burdick, Alan Terrill

Flushing, N. Y.
 Meridian, Miss.
 Huntington, N. Y.
 Lakeland, Fla.
 Woodstock, Va.
 Plainfield, N. J.
 Durham, N. C.
 Larchmont, N. Y.
 Fayetteville, N. Y.
 Lake Worth, Fla.
 Des Moines, Ia.
 Oak Park, Ill.
 Brooklyn, N. Y.
 Glen Ridge, N. J.
 Wellsburg, W. Va.
 Williamson, W. Va.
 Lakewood, O.
 Jersey City, N. J.
 Bement, Ill.
 Kansas City, Mo.
 Englewood, N. J.
 Charlotte, N. C.
 Glen Ridge, N. J.
 Madisonville, Ky.
 Raleigh, N. C.
 Philadelphia, Pa.
 Washington, D. C.
 New Brunswick, N. J.
 Reading, Mass.
 Almond, N. Y.
 York, Pa.
 Merchantville, N. J.
 Merchantville, N. J.
 Houston, Tex.
 Durham, N. C.
 Charlotte, N. C.
 Greensboro, N. C.
 Petersburg, Va.
 Asheville, N. C.
 Franklin, N. C.
 West Nyack, N. Y.
 Windber, Pa.
 Columbia, S. C.
 Rockville Centre, L. I., N. Y.
 Durham, N. C.
 Hastings-on-Hudson, N. Y.

*Burlew, Robert Wesley
 *Callahan, Daniel John, Jr.
 *Carlton, Everette Leroy
 Carter, Thomas Brian
 Carver, Gordon Malone, Jr.
 Cash, George Osborne, Jr.
 Cash, Leon Hartsell
 Castle, Edwin Robert
 Chandler, James Ryan, Jr.
 *Chandler, Lester Quinton
 *Chapman, Robert Lee, Jr.
 *Cheek, Calvin Ernest
 Chesnut, James Lyons
 Christie, Walter
 *Cittadino, Benjamin Nicholas
 Clad, Noel Clovis
 Clark, Sherman Dockray
 Clayton, Thomas Stanford, III
 Collins, David Douglass
 *Connors, Howard-Hart
 Copeland, Roy
 Courtney, Thomas Marshall
 Crane, Richard
 Craver, Burke Hutchins
 *Crosson, James Joseph
 Cunliff, Edward H.
 Cutter, Ernest, Jr.
 Damren, Jerome Henry
 *D'Annunzio, Francis Cesare
 *Davis, Edward Roy
 Davis, James Leonidas
 Davis, Wesley Smith
 De Butts, William Edward
 De Moll, Louis Edward, Jr.
 *Dennis, David Wood
 Di Mona, Joseph Michael
 Doig, William Dunsmore
 Dolan, Edwin Arthur, Jr.
 Dorne, Donal Paine
 Doty, Fred Owen
 *Doyle, Everett James
 Dratz, Arthur Frederick
 Eckerd, Everette Aaron
 Edwards, William B.
 Elliott, Henry Kerley
 *Ervin, Cameron Eugene
 Etheridge, Garrett MacNeil
 *Fairy, William Arthur
 *Fancher, Peter Cruickshank
 Ferguson, Tom Bruce
 Ferree, Max Fulton
 *Fick, David William
 Fish, Harry Gustav, Jr.
 *Fisher, William McCoy
 *Frye, Benjamin Allen
 Fuller, Manly Kearns, Jr.
 Funston, Rodman B.
 Gable, Kenneth Lowell
 Gantt, Samuel Fox

Matawan, N. J.
 West Concord, Mass.
 Winston-Salem, N. C.
 Bronxville, N. Y.
 Durham, N. C.
 Erwin, Tenn.
 Winston-Salem, N. C.
 Rome, N. Y.
 Daytona Beach, Fla.
 Salisbury, N. C.
 Charlotte, N. C.
 Staten Island, N. Y.
 Bellevue, Pittsburgh, Pa.
 Bergenfield, N. J.
 Long Branch, N. J.
 New York, N. Y.
 Winter Park, Fla.
 Detroit, Mich.
 South Seaville, N. J.
 Newark, N. J.
 New York, N. Y.
 Winston-Salem, N. C.
 Wayne, Pa.
 Lexington, N. C.
 New Brunswick, N. J.
 St. Louis, Mo.
 Lexington, Mass.
 Claremont, N. H.
 Newark, N. J.
 Scarsdale, N. Y.
 Wilmington, N. C.
 Raleigh, N. C.
 Oak Park, Ill.
 Waynesboro, Va.
 Bradford, Pa.
 Haddonfield, N. J.
 Packanack Lake, N. J.
 Maplewood, N. J.
 Roselle, N. J.
 Old Hickory, Tenn.
 Corona, L. I., N. Y.
 Lynbrook, N. Y.
 Granite Falls, N. C.
 Mt. Vernon, N. Y.
 Durham, N. C.
 Durham, N. C.
 Miami, Fla.
 Burlington, N. C.
 Toms River, N. J.
 Tulsa, Okla.
 Winston-Salem, N. C.
 Passaic, N. J.
 Penns Grove, N. J.
 Ellwood City, Pa.
 Sharpsville, Pa.
 Whiteville, N. C.
 Schuylerville, N. Y.
 Webster Groves, Mo.
 Durham, N. C.

- *Gaumnitz, Gordon Arthur
- Gilbert, Arthur Lewis
- Gilbert, Richard Lawrence
- Gillen, Howard William
- *Gladstone, Walter Emmet, Jr.
- Goddard, Edward Adolphus, III
- Goldhill, Walter Allan
- Goss, Jack Gregory
- Gray, Ernest Richardson, Jr.
- Green, Thomas Martin, Jr.
- Greet, Thomas Young
- Guiliano, Jerry James
- Gulledge, Marius Bailey
- Gulley, Wilbur Paul, Jr.
- Gwyn, Allen Hatchett, Jr.
- Harris, Guy Leslie, Jr.
- Hawn, Ivan
- Hayes, Thomas Phillip
- Hedin, Dan Erik
- *Heinz, Edward, II
- Hermance, Robert Lincoln
- Herr, James Hunter
- Hjertberg, Harold Emil
- *Hoerst, William
- *Holton, Holland Young
- *Hopkins, William Hermon, Jr.
- Hornor, Frank Berkshire
- Horwitz, Herbert Earl
- Houck, William Bryan
- *Houston, Benjamin Herriot
- Howell, Donald Willard
- Huber, Richard Lumley
- Ivey, George Melvin, Jr.
- Izlar, Henry LeRoy, Jr.
- *Jeter, Robert Vernon
- *Johnson, Daniel Lee
- Johnson, Glenn Wilson
- Johnston, Robert Malcus
- *Jones, Edward Benjamin
- *Jones, Marion Garnet
- Juniper, Kerrison, Jr.
- Kalevas, Harry John
- Kartman, Donald E.
- Katko, John Alex
- *Keniery, John Joseph, Jr.
- Kennedy, George Lloyd
- Kinzer, Harless Mahlon
- Kister, Robert Irwin
- *Kramme, Paul Edgar, Jr.
- Lamar, William Russell, Jr.
- Lambert, M. Charles
- Lambeth, William Arnold
- Lanahan, John Stevenson
- Landesberg, Harold Lionel
- *Larkin, Sydney Anthony
- Lee, Frank Hackney
- *Lee, Joe Osborne
- Leech, Russell Bidwell, Jr.
- *Leenaards, Joseph Francis
- Washington, D. C.
- Havre de Grace, Md.
- Bronxville, N. Y.
- Glen Rock, N. J.
- Winston-Salem, N. C.
- West Palm Beach, Fla.
- Great Neck, N. Y.
- Aurora, Ill.
- Oyster Bay, N. Y.
- Baltimore, Md.
- Greenville, S. C.
- Irvington, N. J.
- Albemarle, N. C.
- Little Rock, Ark.
- Reidsville, N. C.
- Warren, O.
- Morristown, Tenn.
- Paterson, N. J.
- Richmond, Va.
- Baltimore, Md.
- Nashua, N. H.
- Harrisburg, Pa.
- Poughkeepsie, N. Y.
- Ft. Lauderdale, Fla.
- Durham, N. C.
- New York, N. Y.
- Clarksburg, W. Va.
- Cleveland Heights, O.
- Roanoke, Va.
- Smithfield, N. C.
- Jacksonville, Fla.
- Scranton, Pa.
- Charlotte, N. C.
- Winston-Salem, N. C.
- Raleigh, N. C.
- Grosse Pointe, Mich.
- Greensboro, N. C.
- Evanston, Ill.
- Glenshaw, Pa.
- Mount Airy, N. C.
- Ormond, Fla.
- Rockingham, N. C.
- Baltimore, Md.
- Hubbard, O.
- Staten Island, N. Y.
- Adams, Mass.
- Waterloo, Iowa
- Brooklyn, N. Y.
- Monroeville, N. J.
- Washington, D. C.
- York, Pa.
- Asheville, N. C.
- Pittsburgh, Pa.
- Philadelphia, Pa.
- New York, N. Y.
- Wilson, N. C.
- Salisbury, N. C.
- Atlanta, Ga.
- New York, N. Y.

- Lenox, Richard Frederick
 Leonard, Arthur Prudden
 Linberg, Eugene Joseph
 Lipe, Robert Oscar
 Little, John Boger, Jr.
 Livingston, John Edward
 Luckes, Alex
 *Luper, Raymond E.
 Lurie, Donald M.
 McArthur, Arthur Lee, III
 *McCormick, Sam Kendrick
 McCracken, William Woods
 McCuiston, Robert Alexander, Jr.
 McDade, Charles Bernard
 McIntire, Herbert Elwyn, Jr.
 McKay, Ernest Gary
 McNutt, Garland Mourning, Jr.
 McRae, William Vogel, Jr.
 Macdonald, Norman Churchill
 MacWhirter, James Evan
 Manney, Henry Newman, Jr.
 Manning, Robert LaFayette
 *Marquez, Jose Manuel
 Marshall, Walter Ledden
 Martin, Edwin, 3rd
 *Martin, Harold Verne
 *Martin, Robert Walker
 Matia, Thomas Ormond
 Mears, Jack Edward
 Meinecke, Evans Arnold
 Merrill, Chester Stanley, Jr.
 Metz, John Ralph
 Metzler, Robert James
 Micara, Francis Anthony Edward
 *Middleton, Frederick Alexander
 Miller, Council Johnston, Jr.
 Miller, Frank William
 Miller, Loren Valmore
 Mills, Stephen Roy, Jr.
 *Mindlin, Michael, Jr.
 Missbach, Edwin Charles
 Mize, Jack Pitts
 Montgomery, Frank
 Montgomery, Victor Ernest
 *Moore, Edwin Gibbons, II
 Moore, Sherwood Edgar
 Morfit, John Campbell, Jr.
 Mundie, Donald Robertson
 Myatt, Robert Woodall
 Myers, Ralph Bernard
 Nash, Ralph Lee
 Neal, Robert George
 Nelson, Charles Franklin
 *Newhall, Wilbert James, IV
 Newman, Alvin
 *Nietman, Robert Frederick
 Nolte, Henry Ralston
 O'Kane, Calvin Russell
 Owen, Herman William
 Ridgefield Park, N. J.
 Miami, Fla.
 Carney's Point, N. J.
 Albemarle, N. C.
 Albemarle, N. C.
 Rutledge, Pa.
 Wilkes-Barre, Pa.
 Norfolk, Va.
 Springfield, Mo.
 Charlotte, N. C.
 Coral Gables, Fla.
 Henderson, N. C.
 Winston-Salem, N. C.
 Mebane, N. C.
 Ridgewood, N. J.
 Tampa, Fla.
 Miami, Fla.
 Fayetteville, N. C.
 Hampton Bays, N. Y.
 Charlotte, N. C.
 Virginia Beach, Va.
 Englewood, Colo.
 Naguabo, Puerto Rico
 Glassboro, N. J.
 Wayne, Pa.
 Perry, Fla.
 Corning, N. Y.
 Cleveland, O.
 Gastonia, N. C.
 Ridgewood, N. J.
 Newtonville, Mass.
 Saylesville, R. I.
 Lincoln Park, Pa.
 Brooklyn, N. Y.
 Penns Grove, N. Y.
 Manasquan, N. J.
 Crestwood, N. Y.
 Yonkers, N. Y.
 Norfolk, Va.
 New York, N. Y.
 Bloomfield, N. J.
 Rutherford, N. J.
 Norfolk, Va.
 Bluefield, W. Va.
 Greenville, N. C.
 Daytona Beach, Fla.
 St. Louis, Mo.
 Kenmore, N. Y.
 Durham, N. C.
 Canton, O.
 St. Petersburg, Fla.
 Buffalo, N. Y.
 Durham, N. C.
 Burlington, Ky.
 Danville, Va.
 Hollis, N. Y.
 New York, N. Y.
 Bexley, O.
 New York, N. Y.

- Page, Allen Perley, Jr.
 *Paget, Anthony Joseph, Jr.
 Parker, Robert Hallett
 Parkhurst, Robert Louis
 Perkins, Gaius Wilcox
 *Pettit, Richard Alden
 Pitts, Morris Woodward
 Pitts, Noah Odas
 Platt, Alfred Harry
 *Poteat, Thomas Lawton
 Powell, John Lynn
 Primm, Walter Rogers, Jr.
 Proctor, Jesse Harris, Jr.
 Raup, William Wagner
 Randall, Robert Lawrence
 Rauscher, Joseph S., II
 Rementer, George Wilson
 Robbins, Jack Guyes
 Robertson, Albert
 Robins, Robert Louis
 Robuck, John D.
 Rodgers, Ralph John
 *Rosenthal, Marvin Daniel
 Sanborn, Richard Tisdale
 Sands, George Lewis
 *Schirmer, Charles Albert
 Schroeder, Paul Adrian
 Schwartz, Michael Lawrence
 Scott, James Allen
 *Senter, Jack Everett
 *Shane, Robert Blake
 Sherwood, Horace Moore, Jr.
 *Shine, Willie Oscar
 Siebenheller, William Arvid
 Simons, Lawrence Brook
 *Sink, Fred O.
 *Skarstrom, John Halstein
 *Skelton, William Paul, Jr.
 *Slotter, Joseph Aloysius
 Smith, Edwin Eugene, Jr.
 Smith, Ernest Wendell
 Smith, Howard Kenneth
 Smith, Herbert Derrick, Jr.
 Smith, Herbert Green, Jr.
 Smith, James Alexander
 Smith, James Daniel, III
 Smith, John Watson, Jr.
 Smith, Stuart Cameron
 Snitger, William Herman, III
 Snow, Kenneth Franklin
 Sowdon, Arthur Whitlock, Jr.
 *Speacht, Eugene George
 Speirs, William Rittenhouse
 Spurgeon, Charles Randolph
 *Stamm, Walter Robert
 Steinman, Clive Benjamin
 Stephan, Edwin Audley
 Stewart, Henry Watson
 *Stewart, Robert Ray
 Williamsport, Pa.
 Douglaston, N. Y.
 Rockville Centre, N. Y.
 Montclair, N. J.
 East Grand Rapids, Mich.
 Westfield, N. J.
 Cleveland Heights, O.
 Glen Alpine, N. C.
 North Woodbury, Conn.
 Durham, N. C.
 Wichita, Kan.
 Miami, Fla.
 Durham, N. C.
 Arlington, Va.
 Rochester, Minn.
 Bloomfield, N. J.
 Aldan, Pa.
 Durham, N. C.
 Miami, Fla.
 Harrisburg, Pa.
 Grand Junction, Colo.
 Dayton, O.
 Baltimore, Md.
 East Orange, N. J.
 Wilmington, Del.
 Saginaw, Mich.
 Chicago, Ill.
 Brooklyn, N. Y.
 Polkville, N. C.
 Kipling, N. C.
 Medina, O.
 Coral Gables, Fla.
 Pollocksville, N. C.
 Staten Island, N. Y.
 Staten Island, N. Y.
 Lexington, N. C.
 Brooklyn, N. Y.
 Spartanburg, S. C.
 Doylestown, Pa.
 Wollaston, Mass.
 Charlotte, N. C.
 Winston-Salem, N. C.
 West Chester, Pa.
 Lenoir, N. C.
 Detroit, Mich.
 Rochester, N. Y.
 Pinehurst, N. C.
 Staten Island, N. Y.
 Beaver, Pa.
 Pine Point, Me.
 Tarrytown, N. Y.
 Altoona, Pa.
 South Orange, N. J.
 Uniontown, Pa.
 Westfield, N. J.
 Rockaway Park, L. I., N. Y.
 Trenton, N. J.
 Charlotte, N. C.
 Ironton, O.

*Sticht, Roger John
 Storm, Walter Kerr
 *Stough, Glenn K.
 Stow, James George Charles
 Strone, Bernard William
 *Sutherland, John Wise
 *Sutton, David Earl
 *Swope, Henry Herbert
 *Tabor, Elmer Wallace
 *Taylor, John Underwood
 Teabeaut, James Robert, Jr.
 Teasley, Jack Lamkin
 Terry, Howard Chester
 Thompson, David William
 Thompson, Hilton Davis
 Thompson, Robert Hicks
 Thornburg, Willis Herbert
 Thorne, Silas Owens, Jr.
 *Thue, Monrad Robert
 *Tieche, Albert McCulloch
 Tomblen, Don Tracy
 Tomlinson, Jack David
 *Turner, James Homer
 Twiddy, Warren Judson
 *Van Ness, Herbert Ray, Jr.
 Vining, Seth Macon, Jr.
 *Vogel, William Francis, Jr.
 *Vreeland, Robert Gerald
 Wade, Elbert Lee
 *Wagner, Harold Winfield
 *Walker, Garth
 Walker, Lewis Patterson, Jr.
 Wansker, William Charles
 *Warren, James Gates
 *Warren, Max Gerald
 *Watts, Arthur Lee, Jr.
 Weber, James Louis
 Wechsler, Harry Leon
 Weidel, Karl Anthony, III
 *Weimer, Charles Robert
 Weinberg, Milton, Jr.
 *Weir, Harry Mortimer, Jr.
 Welsh, Robert Cooper
 Westley, David
 Whatton, Frank William
 *Wheeler, Robert Ross
 White, David Craig
 *Whitehead, Robert C.
 *Whitmarsh, William Herr
 Wickstrom, James Charles
 Wiggins, Ford Carroll
 Wilkie, Arthur Richard, Jr.
 Williamson, Norman Francis, Jr.
 *Willson, William Wentworth
 Winberry, Herman Stanford
 *Woelfle, Edward Frederick, Jr.
 Wolf, Aaron Joseph
 Wooten, John Lemuel
 Young, Charles Aldo

Kenmore, N. Y.
 Scarsdale, N. Y.
 Irwin, Pa.
 Armonk, N. Y.
 Perth Amboy, N. J.
 Galax, Va.
 Goldsboro, N. C.
 Springfield, O.
 Bluefield, W. Va.
 Huntington, W. Va.
 Fayetteville, N. C.
 St. Albans, W. Va.
 Hubbard, O.
 Orlando, Fla.
 Salem, N. J.
 Dublin, Ga.
 New York, N. Y.
 Charlotte, N. C.
 Coral Gables, Fla.
 Beckley, W. Va.
 Westfield, N. J.
 Huntington, W. Va.
 Tampa, Fla.
 Elizabeth City, N. C.
 Newark, N. J.
 Tryon, N. C.
 Pine Beach, N. J.
 Easton, Pa.
 Dunn, N. C.
 Huntingdon, Pa.
 Atlanta, Ga.
 El Paso, Tex.
 Macon, Ga.
 Washington, D. C.
 Raleigh, N. C.
 Huntington, W. Va.
 Cumberland, Md.
 McKeesport, Pa.
 Trenton, N. J.
 Mount Vernon, N. Y.
 Sumter, S. C.
 Kingston, Pa.
 Miami, Fla.
 Hawthorne, N. Y.
 Sharon, Pa.
 Orlando, Fla.
 Englewood, N. J.
 Bronxville, N. Y.
 Baltimore, Md.
 Western Springs, Ill.
 Lawrenceville, N. J.
 Manchester, Conn.
 Metcalfe, Ga.
 Darien, Conn.
 Mount Olive, N. C.
 West Orange, N. J.
 Baltimore, Md.
 Greenville, N. C.
 Riverside, N. J.

*Young, Robert Ulrich
Zengel, Edward Anthony
*Ziegler, Sidney

Swannanoa, N. C.
Ridgefield, N. J.
Brooklyn, N. Y.

JUNIOR CLASS

Asterisk indicates that the student has not attained full class standing in hours or quality points.

Akers, James Jones	Charlotte, N. C.
Allen, Frank Burt, Jr.	Maplewood, N. J.
Allen, Lyle McDowell, Jr.	Kirkwood, Mo.
Allen, Robert Lee, Jr.	Miami, Fla.
Allman, Russell Vernon	Detroit, Mich.
*Almquist, Henry Gustav	Brooklyn, N. Y.
Ambrose, Samuel Sheridan	Conway, S. C.
Anderson, Robert Harper	Wilson, N. C.
Anderson, Sidney Raymond, Jr.	Durham, N. C.
*Arnesen, Milton Nass	Tottenville, N. Y.
Austin, Henry James	Wilkinsburg, Pa.
*Baradel, Robert Joseph	Brooklyn, N. Y.
Barton, Edwin Mouzon	Rome, Ga.
Bauer, Arthur David	Brooklyn, N. Y.
*Baugh, George Herman	Charlotte, N. C.
*Baugh, Neale Wesley	Detroit, Mich.
*Baugh, Robert Bull	Decatur, Ala.
Baumgartner, Edgar Davidson	Hillburn, N. Y.
*Bayer, Richard Clyde	Steubenville, O.
*Beamer, Elbert Ernest	Mount Airy, N. C.
*Bello, Harold Anthony	Ossining, N. Y.
Benavides, Jaime Miguel	Laurelton, N. Y.
Bernikow, Alfred Seymour	Woodhaven, N. Y.
*Bingham, Robert Stuart	Albany, N. Y.
Bishop, Richard Calvin	St. Petersburg, Fla.
*Blackwell, Clifford Earl, Jr.	Rockford, Ill.
Blake, Warren Chandler	Nutly, N. J.
Blalock, John Vernon	Durham, N. C.
Boardman, William Covert	Fair Haven, N. J.
*Bocknewch, Charles Lawrence	Knoxville, Pa.
Bond, Jean Bernerd	Durham, N. C.
Boone, Alexander White, Jr.	Penns Grove, N. J.
*Bott, Edward Schlieff	East St. Louis, Ill.
Brandt, Murray Denis	Brooklyn, N. Y.
Brazeau, Paul	St. Petersburg, Fla.
Brenna, Anthony	Trenton, N. J.
Brenner, Terrill Marc	New Brunswick, N. J.
Brogan, Edwin Bernard	Atlanta, Ga.
*Brooks, Charles Milliken	Portland, Me.
Brooks, John Coffee	Peters, Fla.
Broome, Harry Travis	Washington, N. C.
*Brower, Armstead Jackson, Jr.	Liberty, N. C.
Euchanan, George Cumming	Princeton, N. J.
Buckle, James Robert	Binghamton, N. Y.
*Bumgardner, E. Gaither	Columbia, S. C.
*Byam, Robert S.	Lowell, Mass.
Byrd, John William	Columbia, S. C.
*Byrn, Collins Pitman	Mayfield, Ky.
*Cabrerá, Sebastian III	Key West, Fla.
*Campbell, Alton Gailey	Raleigh, N. C.
Campbell, Frank Highsmith	Durham, N. C.
Canine, William Leland	Kalamazoo, Mich.

- *Carr, Charles Edward, Jr.
- *Carroll, Woodrow Wilson
- Carter, Marvin Sutton
- Carter, Wilton Snowden
- Chapman, Frank Abbott
- *Clow, James Hamilton
- Cobb, Charles Pittman
- *Collicott, Lloyd Vincent
- Coman, James Hilary, Jr.
- Combs, William Price
- Connolly, Robert Allen
- Cook, Richard Jackson
- Cottle, Ralph Ingersoll, Jr.
- Coutant, Everett
- *Culbreth, James Harold
- *Curtin, Walter Raymond
- Dalton, James Gossett
- Darden, Tom M.
- *Davis, Charlie Marion
- Davis, Frank Willard, Jr.
- *Davis, George Thomas
- De Reamer, John Wesley
- Early, Bert Hylton
- Edwards, John Paul
- Erickson, Gail Lotz
- Everson, Leonard Charles
- Farley, Albert Walter
- *Faulkner, Richard Fulton
- Fawcett, Blake
- Felgar, Thomas Oglesby
- *Ferraiole, Frank Charles
- Finch, Donald Curtiss
- *Fisher, James Arthur, Jr.
- Fiske, Robert Hartwell
- Fletcher, Harold Thompson, Jr.
- Fletcher, Thomas Gibson
- Flynn, Charles Leneen
- *Fox, Donald Franklin
- Gantt, Robert Melvin, Jr.
- Gardner, Arthur Parcell
- *Garrett, Frank
- Garrett, Robert Roth
- Gates, William Briggs
- *Geary, Joseph Henry
- Gerber, Gordon Wayne
- Gilchrist, Howard Tawney
- Goldthorp, William Runyon
- Gould, Arthur Samuel, Jr.
- Gray, William Howard
- Greene, James Harrison
- Griffith, Brantley Boyd
- Grob, Warren David
- *Groome, Roland Carlyle
- Grossenheider, Joseph Warren
- Gutstadt, Joseph Platt
- *Haines, Richard Byron
- Haines, William Emens
- Hambright, Rufus Roberts
- Hamilton, Charles Ray
- Hollidays Cove, W. Va.
- Raleigh, N. C.
- Johnson City, Tenn.
- Pikesville, Md.
- Glen Falls, N. Y.
- Coshocton, O.
- Whitehaven, Tenn.
- Harrisburg, Pa.
- Durham, N. C.
- Greensboro, N. C.
- Scranton, Pa.
- Lakewood, O.
- Warren, O.
- New York, N. Y.
- Hillsboro, N. C.
- Worcester, Mass.
- Charlotte, N. C.
- South Bend, Ind.
- Tampa, Fla.
- Biltmore, N. C.
- Wilson, N. C.
- Morrisville, Pa.
- Huntington, W. Va.
- Clinton, N. C.
- New Rochelle, N. Y.
- Schenectady, N. Y.
- Bay City, Mich.
- Washington, D. C.
- Alderson, W. Va.
- Jacksonville, Ala.
- West Haven, Conn.
- New Haven, Conn.
- Llanerch, Pa.
- Lexington, Mass.
- Grand Rapids, Mich.
- McColl, S. C.
- West Haven, Conn.
- Palmyra, N. J.
- Durham, N. C.
- Moscow, Pa.
- High Point, N. C.
- Asheville, N. C.
- Johnstown, N. Y.
- Woodhaven, N. Y.
- Philadelphia, Pa.
- McKeesport, Pa.
- Haddonfield, N. J.
- Lakewood, O.
- Huntington, W. Va.
- Syracuse, N. Y.
- Lebanon, Va.
- Merchantville, N. J.
- Greensboro, N. C.
- Webster Groves, Mo.
- Chicago, Ill.
- Dayton, O.
- Bridgeport, Conn.
- Grover, N. C.
- Arlington, Va.

- Hardesty, Charles Howard, Jr.
 *Harmes, John MacNair
 Harrell, Everett Richard
 *Hart, Thomas George, Jr.
 *Hartman, John Wheeler
 *Harvey, John Richard
 Henderson, William Neavitt
 *Henry, Burdette Spencer
 Henson, Waldo Cornell, Jr.
 Herter, Charles Jacques
 Hess, Newman Warren, II
 Hill, James
 *Hillegass, Arthur Charles, Jr.
 *Hinnant, Harvey Jackson
 Hinshaw, Robert Alonzo
 Hockenjos, Gottlieb Frederick
 Hockman, Thomas Alfred
 Holcombe, Lynn Montanye, Jr.
 Honeycutt, Emery Highsmith
 *Hood, Charles Edwin
 *Hornaday, John Albert, Jr.
 Horrell, William Olvey
 *Horton, Paul Emmons
 Hosp, David Henry
 *Howe, Standish Sturtevant
 Huckabee, Thomas Franklin
 *Hudgins, Thomas Frederick, Jr.
 *Hughes, William Denver
 Huntsinger, Warren Eugene
 *Hussey, William Howland
 Hutchings, Philip Wiley, Jr.
 Hybert, George Fred
 Hyman, Mac Hooks
 Ingalls, Foster Kinne
 Jaffey, Arthur
 Jamison, Ralph Herlinger
 Jarvis, Camden A.
 *Johnson, Clarence Watson, Jr.
 Johnson, Owen Clay
 Johnstone, Robert Dale
 Jones, Ethrage Felton
 Jones, Herman Ennis, Jr.
 Joy, William Addison
 Kandel, Robert Franklin
 Keller, Robert Slotterback
 Kelly, Francis Edward, Jr.
 *Kernodle, John Thomas
 Ketchem, Vern Albert
 *Kiefer, George Croney, Jr.
 *Kilian, Frank Rudolph
 Kingery, Lisle Byron
 *Kirsnis, Edmond Robert
 Koon, Ethan Sease, Jr.
 Koperek, Robert Frank
 Lamb, John Lowry
 Lane, William Augustus, Jr.
 *Lawler, Norman Richard
 *Lemken, Russell Kenneth
 Levy, William B.
 Fairmont, W. Va.
 Binghamton, N. Y.
 Birmingham, Mich.
 West Hartford, Conn.
 Detroit, Mich.
 Rahway, N. J.
 Maplewood, N. J.
 Bay City, Mich.
 Charleston, W. Va.
 Haworth, N. J.
 New York, N. Y.
 New York, N. Y.
 Argentina
 Raleigh, N. C.
 Akron, O.
 Livingston, N. J.
 Kalamazoo, Mich.
 Roselle, N. J.
 Clinton, N. C.
 Greensboro, N. C.
 Enfield, N. C.
 Dayton, O.
 West Hartford, Conn.
 Newark, N. J.
 Durham, N. C.
 Durham, N. C.
 Mt. Vernon, O.
 East Liverpool, O.
 Hollis, L. I., N. Y.
 Durham, N. C.
 Durham, N. C.
 Chicago, Ill.
 Cordele, Ga.
 Englewood, N. J.
 Somerville, N. J.
 Warren, O.
 Charleston, W. Va.
 Lynnfield, Mass.
 Attleboro, Mass.
 Munhall, Pa.
 Durham, N. C.
 Merchantville, N. J.
 Ventnor, N. J.
 Louisville, O.
 Lavelle, Pa.
 Johnstown, Pa.
 Durham, N. C.
 Cleveland Heights, O.
 Hamden, Conn.
 Norlina, N. C.
 White Plains, N. Y.
 Paulsboro, N. J.
 Asheville, N. C.
 New Kensington, Pa.
 Lakewood, O.
 Miami, Fla.
 Kenmore, N. Y.
 Brooklyn, N. Y.
 Harrisburg, Pa.

Littman, Donald Stanley
 *Loftis, James Cedric
 Loftis, Wallace Garland
 *Long, Leo Joseph
 *Long, Richard Gwynn
 Love, Harry James
 Lowry, William John
 *Lundeberg, Philip Karl Boraas
 Lyons, Carmine Keith
 *McAllister, Holden Swift, Jr.
 *McClees, Thomas Atwood
 McDonald, Walter Neill
 McKeehan, William Joseph
 McLain, Abner Sebastian, Jr.
 McLeod, Walter Anderson, Jr.
 MacDonald, Lorne Sinclair
 *MacInnes, Robert Jarvis
 Maines, John Guy, Jr.
 Martinelli, Mario, Jr.
 *Meixner, John Bernard
 Miller, Alex Stanley, Jr.
 Miller, Edward Allan
 Miller, Gerald Stephen
 Miller, Richard David
 Mirmelstein, Alvin Benzion Herbert
 *Mittle, Harold Lee
 Moore, Samuel Leedom
 *Moorhouse, Richard Parmelee
 Mooring, Francis Paul
 Moppert, Edward Joseph, Jr.
 Morgenthau, John Lewis, Jr.
 Morrison, Robert Douglas
 Morton, David Lindsay
 Moses, Gerald Hanson, Jr.
 Moss, Gilbert
 Murray, Andrew Hawirt
 *Nanni, Americo Roger
 *Napier, Wallace Lee
 *Nauman, Reginald Arnold
 Nauman, Robert Vincent
 *Nicholson, Bradford Lamont
 Nicholson, Henry Hale, Jr.
 *Norris, Franklyn Gray
 Ogburn, Paul Lanier
 *Onken, Warren Harding
 Overman, John Reagan
 Owen, John Elias
 *Owen, Lewis Hagood
 Owen, William V. Morley
 Ozment, James Hubert, Jr.
 Pace, Sherman Homer
 *Palmer, Harry Hyde, Jr.
 Parks, Benjamin Green, Jr.
 Pate, Thomas Waldo
 *Patterson, George William, Jr.
 *Phillips, Samuel Lafayette, Jr.
 Plaze, Edward Peter
 *Poe, William Boyd
 Polokoff, Edwin

Sunnyside, L. I., N. Y.
 Durham, N. C.
 Durham, N. C.
 South Orange, N. J.
 Roxboro, N. C.
 Endicott, N. Y.
 East Cleveland, O.
 Durham, N. C.
 Charleston, W. Va.
 Glencoe, Ill.
 Elm City, N. C.
 Durham, N. C.
 Baltimore, Md.
 Hattiesburg, Miss.
 St. Petersburg, Fla.
 Birmingham, Mich.
 Erie, Pa.
 Ossining, N. Y.
 Covington, Va.
 Chicago, Ill.
 Millersburg, Ky.
 New York, N. Y.
 New York, N. Y.
 Great Neck, N. Y.
 Newport News, Va.
 Beaufort, S. C.
 Miami Beach, Fla.
 Englewood, N. J.
 Rocky Mount, N. C.
 Cranford, N. J.
 Elizabethtown, N. Y.
 Larchmont, N. Y.
 Charlotte, N. C.
 Sewickley, Pa.
 Kenmore, N. Y.
 Huntington, N. Y.
 Pittsburgh, Pa.
 Durham, N. C.
 E. Stroudsburg, Pa.
 Analomink, Pa.
 Havana, Cuba
 Statesville, N. C.
 Washington, D. C.
 Charlotte, N. C.
 Brooklyn, N. Y.
 Marion, Ind.
 Cleveland, O.
 Durham, N. C.
 Durham, N. C.
 Dyersburg, Tenn.
 St. Petersburg, Fla.
 Tarboro, N. C.
 Waycross, Ga.
 Erwin, N. C.
 North Bergen, N. J.
 Wing, N. C.
 New Britain, Conn.
 Durham, N. C.
 Poughkeepsie, N. Y.

- *Poole, John Gibbs, Jr.
 Potter, Robert Daniel
 Powell, Leon Williams, Jr.
 Preslar, Arthur Joe, Jr.
 Prytherch, John Pershing
 Prytherch, Robert Hugh
 Quenzer, Harry Milton, Jr.
 Rae, Matthew Sanderson
 Rand, Julian Arey, Jr.
 Rauch, Marshall Arthur
 Richardson, John Wick
 *Robbins, David W.
 *Robinson, William Harry
 Rocap, Edward
 *Rogers, William Edwin
 *Rokos, William Jay, Jr.
 *Rute, Charles Robert
 *Sailer, Rowland Walter
 Sawyer, John Richard
 Schlaseman, Guy Walter
 Schuchardt, William Arthur
 Schuman, Eugene Stockton
 Secrest, Andrew McDowd, Jr.
 Secrest, Vann Vanderlyn, Jr.
 Selfridge, James Heath
 Seward, John Evans
 *Sheldon, Robert Leonard
 Shelley, Richard Charles
 Shepard, Kenneth Sihler
 Sheridan, Robert John
 Sherman, Paul Henry
 *Shuler, Tom Crawford
 Smart, Roy Louis, Jr.
 Smeltzer, James Loughrey
 *Smith, Arthur George, Jr.
 Smith, Chandler Sparkman
 Smith, Edward Franklin
 *Smith, Henry Hervey
 *Smith, Herman (Nathan) Amasa
 *Smith, William Henry
 Smoots, Herbert Theodore
 Snodgrass, David Paul
 Snyder, Ralph Warner
 Spetch, Charles Theodore
 *Spieth, Marshall William
 *Spitler, John Douglas
 Starr, Maurice Kenneth
 *Stauf, Jack Harrison
 Stephens, Bart Nelson
 *Stone, Jerry Broadwell
 *Stott, Grady Bernell
 Strother, Paul Nelson, Jr.
 Summey, Kelly Nims
 Switzer, Lawrence Charles
 Tailer, William Harding
 Tantum, Robert David
 *Taylor, Robert Russell
 Thomas, William Raeford
 Thompson, Miles Gilbert, Jr.
 Charlotte, N. C.
 Wilmington, N. C.
 Durham, N. C.
 Hickory, N. C.
 Binghamton, N. Y.
 Ridgewood, N. J.
 Westmont, N. J.
 Pittsburgh, Pa.
 Raleigh, N. C.
 Woodmere, N. Y.
 Memphis, Tenn.
 Riverton, N. J.
 Palmyra, N. J.
 Springfield, Pa.
 Durham, N. C.
 Baltimore, Md.
 Easton, Pa.
 Philadelphia, Pa.
 South Weymouth, Mass.
 Lansford, Pa.
 Wyoming, O.
 Latrobe, Pa.
 Monroe, N. C.
 Monroe, N. C.
 Poughkeepsie, N. Y.
 Newport News, Va.
 Roselle Park, N. J.
 Brooklyn, N. Y.
 Washington, D. C.
 Westfield, N. J.
 Baltimore, Md.
 New Philadelphia, O.
 Charlotte, N. C.
 Youngstown, O.
 Binghamton, N. Y.
 Robersonville, N. C.
 Fayetteville, N. C.
 Raleigh, N. C.
 Greensboro, N. C.
 Mt. Airy, N. C.
 Alliance, O.
 Canonsburg, Pa.
 Bronx, N. Y.
 South Temple, Pa.
 Louisville, Ky.
 Findlay, O.
 Baltimore, Md.
 Oceanside, N. Y.
 Newport, R. I.
 Hillsboro, N. C.
 Bailey, N. C.
 Stantonburg, N. C.
 Mt. Holly, N. C.
 Greenwood, S. C.
 Coral Gables, Fla.
 Cream Ridge, N. J.
 Kearny, N. J.
 Durham, N. C.
 Cumberland, Md.

Thompson, Robert Gordon
 Thomson, George Bell
 Tippet, Lucius Holmes, Jr.
 *Tompkins, James Kenneth
 Tope, Robert Ellwood
 Tucker, Sterling Woodward
 *Turbyfill, Carl Mitchell
 *Turner, Thomas Jonathan
 Tuscany, Arthur Joseph, Jr.
 *Vanderhoof, William Bushrod
 *Vann, Arthur
 Veal, Joseph Holliday
 *Vehe, Robert Richard
 Walenta, Paul Parks
 Walker, Starnes Elbert, Jr.
 *Walkey, Frederick Platt
 Wallace, Stanley Lawrence
 *Wappett, John Newton
 Warner, John Robinson
 Weidman, Richard Lowell
 Welshans, Charles Robert
 *Welton, Robert Glenn
 Westover, Don Alden, Jr.
 Wettstein, William Charles
 Wilbur, Jerry Francis, Jr.
 Wiles, John Herman
 Williams, James Edward
 Willis, David Steel, Jr.
 Willoughby, Dan Hall
 Wilson, Leo Hughes, Jr.
 Winter, Charles Kofoid
 *Wolfe, James Boyd, Jr.
 Wrenn, Richard Nickles
 *Wright, William Smith
 *Yarborough, Frank Graham
 Yelverton, Calvin Robert, Jr.
 Zirato, Bruno, Jr.

Durham, N. C.
 Crowley, La.
 Havana, Cuba
 Johnson City, N. Y.
 New Philadelphia, O.
 Little Rock, Ark.
 Maiden, N. C.
 Nanticoke, Pa.
 Lakewood, O.
 San Marino, Calif.
 Dunn, N. C.
 Madisonville, Ky.
 Chicago, Ill.
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 Fayetteville, N. C.
 Saugus, Mass.
 Brooklyn, N. Y.
 Rockville Centre, N. Y.
 Walkersville, Md.
 Sinking Spring, Pa.
 Wheeling, W. Va.
 Ellwood City, Pa.
 Hastings, Pa.
 Scarsdale, N. Y.
 Johnstown, Pa.
 Dayton, O.
 Durham, N. C.
 Raleigh, N. C.
 Jackson, Miss.
 Bradenton, Fla.
 Bridgeport, Conn.
 Greensboro, N. C.
 Anderson, S. C.
 Wilson, N. C.
 Raleigh, N. C.
 Fremont, N. C.
 New York, N. Y.

SENIOR CLASS

Asterisk indicates that the student has not attained full class standing in hours or quality points.

*Alexander, James Gladden
 Alston, William Merideth
 Anderson, John Frederick
 *Anderson, Roy Martin
 *Autry, Paul Geddie
 *Backer, Robert Martin
 *Baer, Julius Arthur, II
 *Ballard, David Leon
 *Barwood, Leon Joachim, II
 Bates, William, Jr.
 *Baynes, Walter Wright
 Beckel, Samuel Somerville
 *Beeghly, John David
 *Bennett, William Doub
 Berté, Stephen Joseph
 Black, Julian Rigler
 Blight, Howard Rodger
 Bloxom, Robert Norris

Lakewood, O.
 Henderson, N. C.
 Seattle, Wash.
 Hempstead, N. Y.
 Fayetteville, N. C.
 Winston-Salem, N. C.
 St. Louis, Mo.
 Ellerbe, N. C.
 Brookline, Mass.
 Philadelphia, Pa.
 Winston-Salem, N. C.
 Huntingdon, Pa.
 Youngstown, O.
 Rocky Mount, N. C.
 Brooklyn, N. Y.
 Charlotte, N. C.
 Bridgeport, Conn.
 Mappville, Va.

- Boehm, Kenneth Everett
 Bond, Lewis Franklin, Jr.
 Branscomb, Bennett Harvie, Jr.
 Browder, Bannister Randolph, Jr. (Acad.-Law)
 Brown, Edward Pierce
 Brown, Richard Arnold (Acad.-Law)
 Bryan, John Burton
 Bullock, Harvey Reade
 Buonocore, Frank Ralph
 *Burbank, Daniel Norman
 *Burns, Thomas Edward
 Burrows, Charles Frederick
 Butner, Bobby J.
 Bynum, Fred Williamson, Jr.
 *Byrn, Chester Arthur, Jr.
 Campbell, Strouse, II
 Clark, Edward Lewis
 Clifford, Thomas Norman
 Cline, Guy Ellis, Jr.
 Cline, John Maxwell
 Cobb, Paul Bryson
 Conrad, Joseph Locke, Jr. (Acad.-Forestry)
 Cook, Daniel George
 *Covington, William Horace, Jr.
 Cowan, Eben Edward
 *Coyle, William Johnson
 *Cozart, Wiley Holt, Jr.
 Crane, Henry Hitt, Jr.
 Crigler, Norris Wolf
 Dale, Francis Lykins
 De Long, Thomas Stover
 *Dennis, William Baker
 *Dixon, Wright T.
 Dodd, Rufus Burton (Acad.-Law)
 *Dougherty, Eric Schoonmaker
 *Draper, Jess Orr
 Ducker, Edwin Sease
 Duncan, George Henry
 Dunn, Albert Wilkerson
 *Dunn, Robert Thomas
 Earnhardt, Herman Lee, Jr.
 Eaton, Dale E.
 Edelman, Irving Jacob
 Edinger, Richard Loren
 Eitner, William Wolfgang
 *Elliott, Emrich Eugene
 Entrekin, William Frank, Jr.
 *Essey, Albert John
 Evans, Robert Rush (Acad.-Forestry)
 *Ezelle, John Wofford
 Feldman, Leon
 *Felty, Ralph Benton
 Few, Randolph Reamey
 Field, Frank Henry
 Fisher, Walter Clark
 Ford, Richard Henry
 Friedberg, Edwin Peter
 Frostick, Frederick Charles, Jr.
 Fuqua, Robert Meek
 Gaillard, Eyre Davis
 Short Hills, N. J.
 Washington, D. C.
 Durham, N. C.
 Winston-Salem, N. C.
 Durham, N. C.
 Aurora, Ill.
 St. Petersburg, Fla.
 Binghamton, N. Y.
 Torrington, Conn.
 Washington, D. C.
 Winston-Salem, N. C.
 Pelham Manor, N. Y.
 Bethania, N. C.
 Rockingham, N. C.
 Mayfield, Ky.
 Portland, Ore.
 Merchantville, N. J.
 Rodgers Forge, Md.
 Lincolnton, N. C.
 Durham, N. C.
 Greensboro, N. C.
 Durham, N. C.
 Lakewood, O.
 Polkville, N. C.
 Springdale, Conn.
 Carlisle, Pa.
 Fuquay Springs, N. C.
 Detroit, Mich.
 Charlotte, N. C.
 Bellevue, Ky.
 Reading, Pa.
 Henderson, N. C.
 Raleigh, N. C.
 Zanesville, O.
 Tannersville, N. Y.
 Saginaw, Mich.
 Charlotte, N. C.
 Columbia, S. C.
 Durham, N. C.
 Fairlawn, N. J.
 Salisbury, N. C.
 Kenmore, N. Y.
 Cleveland, O.
 Woodstock, Ill.
 Kew Gardens, N. Y.
 Terre Haute, Ind.
 Montclair, N. J.
 Maxton, N. C.
 Charlotte, N. C.
 Gaffney, S. C.
 Charleston, S. C.
 Ashland, Ky.
 Durham, N. C.
 Cliffside Parkway, N. J.
 Clinton, N. C.
 Lancaster, Pa.
 Atlantic City, N. J.
 Maxton, N. C.
 Bluefield, W. Va.
 New York, N. Y.

- Galt, Howard Thomas
 Gatling, William Harrell
 *German, Paul Mouzon
 Golden, James Boyd
 Goodwin, Otho Creasy, Jr. (Acad.-Forestry)
 Gosnell, William Burton, Jr.
 Grayson, Edward Lee
 *Green, Seymour Stanley
 Green, William Nathaniel
 Gregory, Dallas Maynard, Jr.
 Gross, Robert Argyle
 *Grover, Harry George, Jr.
 *Hagins, John Williams
 Hale, John
 *Hand, Herbert Gilman
 Hanford, John Van, Jr.
 Harrington, Joseph Sibley
 Harrison, Fenton Frank (Acad.-Law)
 Harward, Stephen Cannada
 Hendricks, Warren Aiken
 Henshaw, Douglas Venville
 *Herder, Donald
 Hessler, Robert Edward
 Hickman, Marcus Tobias (Acad.-Law)
 *Hill, John Kling
 Hill, Samuel Richardson, Jr.
 Hillier, George Robert
 Hoeland, Donald Earl
 Hoffberger, Charles Bertram
 Hogg, William Richey
 Hogue, W. Fay
 Holmes, Alfred Theodore, Jr.
 Holt, Duncan Waldo, Jr.
 Honeycutt, James Furman
 Hoover, Al R.
 Howerton, Thomas Royster
 Hubbell, David Smith
 *Huffman, Weddie Wilson
 *Hunter, Cornelius Wood
 *Huntington, William Richard
 *Hurley, Bernard Talmage, Jr.
 Ing, Robert Bowen
 Isdell, Nelson Le Roy
 Jacobson, Mervin William, Jr.
 Jenkins, Edgar Joseph
 Jenkins, John Richard, Jr.
 John, Louis Edward
 Johnson, Stewart Henry
 Johntz, William Fones
 Jones, John David
 Jones, Joseph Kempton
 Kale, Wallace Wilford
 Kefauver, Clarence Eugene, Jr.
 Keller, Thomas Whitney
 *Kitchens, Jack Conway
 *Knight, John Arthur
 Kohler, Ervin Winston, Jr.
 Koonce, Duval Holtzclaw
 Korowicki, Charles Henry
 Glen Moore, Pa.
 Norfolk, Va.
 Oklahoma City, Okla.
 Greenfield, Mass.
 Blackstone, Va.
 Wilmington, Del.
 Harrison, N. J.
 Abingdon, Va.
 Graham, N. C.
 Skipwith, Va.
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 Johnstown, Pa.
 Wilmette, Ill.
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 Salisbury, N. C.
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 Buffalo, N. Y.
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 Elizabeth City, N. C.
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 Hudson, N. C.
 Snyder, N. Y.
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 Westfield, N. J.
 Dayton, O.
 Baltimore, Md.
 Wilkinsburg, Pa.
 Croton-on-Hudson, N. Y.
 Ridgefield, N. J.
 Greensboro, N. C.
 Clinton, N. C.
 Toledo, O.
 Durham, N. C.
 Durham, N. C.
 Thomasville, N. C.
 Port Huron, Mich.
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 Williamston, N. C.
 Washington, D. C.
 Delmar, N. Y.
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 St. John, Kan.
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 La Grange, Ill.
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 Yoe, Pa.
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 Arnold, Pa.

- Kurtz, John Cornell
 Kurzrok, Felix
 Lamm, LeRoy Barden
 *Lanahan, Edward Lauck
 *Lassiter, Robert Roland, Jr.
 Leuthold, Richard Albert
 Lockwood, Wendell Newton
 Lombardi, Jerry Francis
 Long, John Oglesby, Jr.
 McGimsey, Edward Claywell
 McGirt, William Archibald, Jr.
 McGrane, Arthur Joseph
 McKinnon, Henry Alexander, Jr. (Acad.-Law)
 McMorries, Edwin Eliot
 MacDade, Thomas Clark, Jr.
 *Malcolm, John Daniel
 *Malone, Harold John
 Maxwell, Jay Cohen
 Maynard, Laurence Page, Jr.
 Meyer, Arthur Francis
 Mills, John Parmelee
 Milnes, William Willis
 Milton, Raymond Michael
 Miner, Robert Calvin
 Mock, Clyde William
 *Moore, John Maxwell
 Morris, Samuel Barrineau
 Moseley, Daniel DuPré
 Moss, Earle Chester
 Moylan, John Dudley
 Mundorf, P. George
 Murdaugh, Marion Edward
 Nasher, Raymond Donald
 Newport, Albert Byron
 O'Donnell, Richard Justin
 Oestmann, Charles Henry
 O'Mara, Allan Hill
 Osborne, William Farrand, Jr.
 Padilla, Esteban
 Paige, Richard Russel
 Patten, John William
 Patterson, George Lowndes
 Peck, James William
 Perry, Donald Graham
 Phillips, John Wilfred
 Phillips, Preson Peek, Jr.
 Pinsky, Melvin Lester
 Porritt, Richard Harley
 *Porter, Winston Allen
 Porterfield, David Ormand
 Powell, Ralph Waldo
 Price, Eugene Patton
 Radford, John Alexander
 Rankin, William Walter
 Robinson, George Gilmour, Jr.
 Rosen, Allard Frank
 Ruark, Franklin Stiffler
 Rusk, Stephen Lewis, III
 *Ryan, Robert Howe
 Toledo, O.
 New York, N. Y.
 Lucama, N. C.
 Pittsburgh, Pa.
 Jackson Heights, N. Y.
 Warren, Pa.
 Plainville, Conn.
 Danbury, Conn.
 Burlington, N. C.
 Morganton, N. C.
 Wilmington, N. C.
 New London, Conn.
 Lumberton, N. C.
 Bremerton, Wash.
 Denver, Colo.
 Owosso, Mich.
 New Britain, Conn.
 Smithville Flats, N. Y.
 Williamsport, Pa.
 Cleveland Heights, O.
 Willoughby, O.
 Struthers, O.
 Lynbrook, N. Y.
 Albany, N. Y.
 Altoona, Pa.
 Charlotte, N. C.
 Toddville, S. C.
 Spartanburg, S. C.
 Providence, R. I.
 Miami, Fla.
 York, Pa.
 Durham, N. C.
 Chestnut Hill, Mass.
 Philadelphia, Pa.
 Wilkes-Barre, Pa.
 Youngstown, O.
 Terre Haute, Ind.
 E. Orange, N. J.
 Arecibo, P. R.
 Coral Gables, Fla.
 Euclid, O.
 Durham, N. C.
 Summersville, W. Va.
 Winston-Salem, N. C.
 Brewster, N. Y.
 Durham, N. C.
 Bellaire, O.
 Providence, R. I.
 E. Liverpool, O.
 St. Clairsville, O.
 Avondale Estates, Ga.
 Erwin, Tenn.
 Washington, D. C.
 Durham, N. C.
 Woodbridge, N. J.
 E. Cleveland, O.
 Park Ridge, Ill.
 St. Petersburg, Fla.
 Akron, O.

Sauer, Richard Henry
 *Scott, Jimmie Aquilla
 Seman, Luen Karl
 *Shockey, Joseph Porter, Jr.
 Sierichs, William Cornell
 *Simon, George Solomon
 Sinclair, George Taylor
 *Skellenger, John Robert
 Slinn, Richard Quentin
 Smedberg, William Waldamere
 Smeltzer, Dave Harvey
 Smith, Benjamin Lee, Jr.
 *Smith, Cody Heber
 Smith, Earle Stuart
 Smith, Leonard James
 Smith, Luther Louis, Jr.
 Smith, Richard Ballenger
 Smith, Sidney William, Jr.
 *Smitheal, Green William
 *Smoot, James Watson, Jr.
 Springs, Holmes Buck, Jr.
 Starr, Ralph Walters
 *Sterner, George Willard
 Stoddard, Charles Richards, Jr.
 *Storer, Moffat
 Stuart, John Pressley, Jr.
 Sudrann, Robert Bernhard
 Suiter, Thomas Bayton
 Swope, Lee F.
 *Sykes, Claude Oliver
 Taylor, Allen
 Thomas, Richard Alfred
 Thomas, James Kenneth
 Tope, Charles Wilders
 Treleven, Harry William
 Trimmer, Perry Richmond
 Troxell, Harry Emerson
 Tucker, Adam Reynold, Jr.
 *Turlington, Henry Lee
 Turner, John Morley
 Vanderpool, William Sherman
 (Academic-Law)
 Varney, Norman Arthur
 Vaughan, Leonidas Clyde
 *Vogel, Sheldon Alfred
 *Wakeling, Robert Willard
 Walker, Howard George, Jr.
 Watson, Neal Thomas
 Weaver, Robert Glenn
 *Weeks, Harry Wills, Jr.
 *Welsh, Glenn Flournoy
 Widmark, George Norman
 Willets, Charles Augustus
 *Wilson, William Preston
 Withington, John Cummings
 Womble, Calder Willingham
 (Academic-Law)
 Wrenn, Frank Reese
 *Wright, Frank Irvin

Upper Darby, Pa.
 Fair Bluff, N. C.
 Woodmere, N. Y.
 Red Ash, Va.
 New York, N. Y.
 Mt. Pleasant, Pa.
 Bluefield, W. Va.
 Logan, W. Va.
 Spring Valley, N. Y.
 Greensboro, N. C.
 Youngstown, O.
 Greensboro, N. C.
 Durham, N. C.
 Winterport, Me.
 Hamilton, O.
 Rocky Mount, N. C.
 Washington, D. C.
 Albany, Ga.
 Dyersburg, Tenn.
 Tarboro, N. C.
 Myrtle Beach, S. C.
 Winnetka, Ill.
 Belmar, N. J.
 Welcome, Md.
 Wheeling, W. Va.
 Spring Hill, Ala.
 Brooklyn, N. Y.
 Rocky Mount, N. C.
 Harrisburg, Pa.
 Durham, N. C.
 Greenville, N. C.
 Washington, D. C.
 Spray, N. C.
 Burgettstown, Pa.
 Summit, N. J.
 Snyder, N. Y.
 Northumberland, Pa.
 Raleigh, N. C.
 Clinton, N. C.
 Homestead, Fla.
 Oklahoma City, Okla.
 Beverly, Mass.
 Greensboro, N. C.
 Brooklyn, N. Y.
 Reading, Mass.
 Westfield, N. J.
 Fairfax, Va.
 Terre Hill, Pa.
 Charlotte, N. C.
 Shreveport, La.
 Verona, N. J.
 Flushing, N. Y.
 Durham, N. C.
 Savannah, Ga.
 Winston-Salem, N. C.
 Anderson, S. C.
 Memphis, Tenn.

Xanthos, Nathan Paleologos
 Young, Robert Douglas
 Young, Russell Lowell, Jr.
 *Young, Thomas Rudolph
 Zeliff, John Engler, II

Wilmington, N. C.
 Westfield, N. Y.
 Charlotte, N. C.
 Spartanburg, S. C.
 Youngsville, Pa.

SPECIAL STUDENTS

Dalton, Craig Gates
 (N.R.O.T.C.—Duke Law School)
 Edens, Allen Cleveland, Jr.
 Hawkins, Spencer Lee
 Hoyle, Jonathan Vernon
 Jackson, Cecil Banon
 Lipe, Godfrey Frederick
 Markham, Harold Cole
 Persons, Walter Scott, Jr.
 Primm, Arthur Weeks
 (N.R.O.T.C.—Duke Law School)
 Rich, Elwood Merrill
 (N.R.O.T.C.—Duke Law School)
 Warlick, Robert Patterson

Toledo, O.
 Red Springs, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Miami, Fla.
 Williamsport, Pa.
 Morrisville, N. C.

THE WOMAN'S COLLEGE

FRESHMAN CLASS

Abe, Diana
 Abelman, Betty
 Akers, Rowena Betty
 Allaben, Charlotte Jane
 Ammerman, Jane
 Anderson, Emily Katherine
 Anderson, Jo Ann Marie
 Andrews, Ann Elizabeth
 Aycock, Barbara M.
 Barnwell, Gwin
 Bashor, Marie
 Bason, Jane
 Bean, Betty Jean
 Beattie, Mary Elizabeth
 Bell, Janice Eileen
 Bennethum, Marjorie Gurnett
 Berkson, Carmela
 Bernhardt, Evelyn
 Bischoff, Elizabeth F.
 Bledsoe, Betty Jane
 Blennerhassett, Doris Elizabeth
 Boehme, Mary Harding
 Bottoms, Dreama E.
 Bradley, Mary Katherine
 Bradsher, Mildred B.
 Brahany, Gloria Anne
 Brevoort, Esther Ruth
 Brock, Jean Norris
 Brown, Nancy Elizabeth
 Brown, Virginia Lee
 Bryant, Nora Crowell
 Buck, Muriel Kenly
 Bunker, Nancy Louise

Dayton, O.
 Atlanta, Ga.
 Frederick, Md.
 Glen Ellyn, Ill.
 Orange, N. J.
 Detroit, Mich.
 Grosse Pointe Park, Mich.
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 Bolivia, N. C.
 Gastonia, N. C.
 Goulds, Fla.
 Charlotte, N. C.
 Durham, N. C.
 Winchester, Va.
 Westfield, N. J.
 Aurora, Ill.
 Mount Vernon, N. Y.
 Washington, D. C.
 Annapolis, Md.
 Greensboro, N. C.
 San Marino, Cal.
 Ft. Lauderdale, Fla.
 Brentwood, Pa.
 Purcellville, Va.
 Montreal, Canada
 Richmond, Va.
 Hampton, Va.
 Princeton, N. J.
 Hillsboro, N. C.
 Washington, D. C.
 Durham, N. C.
 Brookhaven, Miss.
 Mt. Airy, N. C.

Burdett, Joneta
Burgard, Annette C.
Busschaert, Elaine
Butts, Nancy M.
Cheek, Sarah
Chelimer, Edith A.
Church, Willa Lee
Clarkson, Sarah
Claussen, Mary Louise
Clegg, Elizabeth D.
Cole, Violet R.
Colston, Margaret V.
Corwin, Patricia Ann
Council, Grace M.
Covington, Sara Catherine
Cox, Dorothy Lucile
Daniel, Homer Delle
Dean, Ethel Belle
Dean, Joyce Marilyn
DeLong, Lois Ellen
De Marzy, Verna
Derrick, Irene R.
DeVan, Cornelia Imogene
DeWitt, Margaret Elizabeth
Doctor, Anna Lou
Donovan, Caroline Catherine
Dopke, Virginia
Duffy, Ruth Anne
Dunham, Katherine MacDonald
Edwards, Barbara Jean
Elmore, Katharine J.
Ethridge, Mary Snow
Fetherston, Dorothy Jean
Fike, Ruth Marie
Flaherty, Jean Weaver
Fleck, Elizabeth Jane
Fletemeyer, Gloria Lou
Flexner, Anne
Fogle, Marjorie Elberta
Foster, Helen Beatrice
Fountain, Jean
Fountain, Joan
Franklin, Amy Josephine
Fulton, Margaret Alice
Fultz, Beverly Ann
Gantt, Betty Sue
Garrison, Barbara Jane
Gaudynski, Joan Louise
Glynn, Rita Lourdes
Gobel, Margaret McElrath
Goodman, Katherine Louise
Goree, Charlotte Virginia
Gott, Mary Jane
Green, Harriet
Grimes, Gloria Lee
Griswold, Marie Frances
Groh, Phyllis Marie
Gross, Beatrix C.
Hanlon, Lois Jeanne

Atlanta, Ga.
Columbus, Ga.
New York, N. Y.
Ormond Beach, Fla.
Durham, N. C.
New Rochelle, N. Y.
Youngstown, O.
Charlotte, N. C.
Florence, S. C.
Durham, N. C.
Durham, N. C.
Shaker Heights, O.
Harrisburg, Pa.
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Gastonia, N. C.
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Albion, Mich.
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Euclid, O.
Takoma Park, Md.
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Grand Haven, Mich.
High Point, N. C.
Milford, Pa.
Milwaukee, Wisc.
Mt. Oliver, N. C.
Durham, N. C.
Goldsboro, N. C.
Rocky Mount, N. C.
Prospect, Ky.
Baldwin, N. Y.
Ahoskie, N. C.
Swarthmore, Pa.
Mt. Holly Springs, Pa.
Detroit, Mich.
Louisville, Ky.
Naranja, Fla.
Framingham Center, Mass.
Matawan, N. J.
Matawan, N. J.
Bryson City, N. C.
Raleigh, N. C.
Hagerstown, Md.
Norfolk, Va.
South Orange, N. J.
Milwaukee, Wisc.
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Chevy Chase, Md.
Abingdon, Va.
Charlotte, N. C.
Washington, D. C.
Hagerstown, Md.
Durham, N. C.
Odessa, N. Y.

- Hanson, Patricia Ann
 Hardin, Marian Alice
 Harper, Jean E.
 Hartz, Hazel R.
 Helmick, Harriet W.
 Henrichsen, Louise Snowden
 Hessee, Ella Mae
 Heygel, Alice Mildred
 Heykeep, Hendrika G.
 Hill, Althea Frances
 Hines, Carolyn Focer
 Hodges, Betsy Blakeney
 Hollingsworth, Lois Henry
 Holmes, Carol Ruth
 Howes, May Zoe
 Hudgins, Eleanor Ward
 Hudlow, Beverly
 Hundley, Margaret Cass
 Hunter, Ann Shirley
 Hyland, Dorothy Lewis
 Hylton, Harriet
 Jenkins, Margaret L.
 Jewell, Betty Bell
 Johnson, Marian
 Jordan, Sara Alice
 Kamsler, Elsie Clare
 Kelly, Patricia Ann
 Kimball, Virginia Elizabeth
 Klotz, Peggy Jean
 Lane, Juanita D.
 Lasley, Betty
 Launi, Nettie Margaret
 Lawler, Alice Hunter
 Lawrence, Lillian Ernestine
 LeVan, Esther Bourne
 Lewis, Dorothy Brooks
 Link, Alice Lorraine
 Lockhart, Ann
 Love, Dorothy Mae
 Lovelace, Mary Ellen
 Lundsten, Jean Alice
 Main, Barbara
 Makovsky, Alice Anne
 Manahan, Mary Carolyn
 Manning, Theonis Dorothy
 Mapes, Lois Marion
 Marks, Elizabeth Cross
 Maxwell, G. Pauline
 Mayers, Catherine Ann
 McCaskill, Jean
 McCrea, Mary A.
 McCrummen, Nancy Ione
 McGowan, Martha Frances
 Meriwether, Jane
 Merris, Dora Kendig
 Michalski, Alina W.
 Mill, Roberta Anne
 Minnich, Gilda Hazel
 Mirick, Marjorie
 Hopewell, Va.
 Annapolis, Md.
 Miami, Fla.
 Brooklyn, N. Y.
 Fairmont, W. Va.
 Springfield, Tenn.
 Durham, N. C.
 Asheville, N. C.
 Enka, N. C.
 Willimantic, Conn.
 Drexel Hill, Pa.
 Bronxville, N. Y.
 Clayton, N. C.
 Ridgefield, N. J.
 Wilmington, N. C.
 Newport News, Va.
 San Marino, Cal.
 Durham, N. C.
 Philadelphia, Pa.
 Lansdowne, Pa.
 Welch, W. Va.
 Salisbury, N. C.
 Detroit, Mich.
 Winchester, Va.
 Raleigh, N. C.
 Philadelphia, Pa.
 Durham, N. C.
 San Diego, Cal.
 Staunton, Va.
 Roanoke Rapids, N. C.
 Walkertown, N. C.
 Arlington, Va.
 Luray, Va.
 Durham, N. C.
 Boonsboro, Md.
 Miami Beach, Fla.
 Indianapolis, Ind.
 Wadesboro, N. C.
 Durham, N. C.
 Washington, D. C.
 Excelsior, Minn.
 Ormond Beach, Fla.
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 Camden, Del.
 Tillman, S. C.
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 Sanford, N. C.
 Purlar, N. C.
 Shaker Heights, O.
 Miami, Fla.
 Durham, N. C.
 Birmingham, Ala.
 Highland Park, Ill.
 Tryon, N. C.
 Towanda, Pa.
 Newark, N. J.
 Birmingham, Mich.
 York, Pa.
 Shelburne Falls, Mass.

Mixson, Betty Marie
 Moffett, Margaret Paul
 Moll, Aria
 Moore, Birdie Jean
 Moore, Sarah Bond
 Morgan, Marie
 Moulding, Betty Jean
 Mulligan, Mary Lou
 Musselman, Nina Mae
 Needham, Patricia Alice
 Newbold, Betty
 Nicholl, Elinore
 Nicholson, Mary Washington
 Oakes, Lucie Mae
 O'Malley, Gertrude Michael
 O'Neill, Norine Elizabeth
 Otto, Margaret
 Pace, Emma Jean
 Parker, Charlene
 Parsons, Frances Virginia
 Parsons, Ruth
 Peace, Virginia
 Perkins, Barbara Louise
 Perkins, Janet Ella
 Petter, Sally Ann
 Pettit, Gwendolyn Marie
 Poe, Naldi
 Prather, Elizabeth Anne
 Protzmann, Beverly Ann
 Quinn, Jacqueline
 Reap, Margaret Anne
 Redding, Margaret Elizabeth
 Reed, Earlyn Jo
 Reynolds, Esther Ann
 Rial, Rhoda Valerie
 Ritchey, Velma Jayne
 Roberts, Rachel Evans
 Robinson, Agnes Theresa
 Rochlin, Anne Niuta
 Romaine, Ruth Marie
 Rose, Elaine Irene
 Ruppenthal, Ethel Althea
 Ruppenthal, Lois Dorothea
 Sally, Jennie Augusta
 Saperstein, Passie
 Saunders, Gladys Mae
 Schenck, Helene
 Schiff, Martha May
 Scott, Anna Ruth
 Scuran, Carol Ovedia
 Shaw, Billie Claudine
 Shelburn, Mary Lee
 Sherertz, Nora Olivia
 Sherrill, Jane
 Shetrone, Mary Louise
 Shumaker, Audrey L.
 Smith, Barbara
 Smith, Edna Shirley
 Smith, Ethelyn Marie

Beaumont, Tex.
 Camden, N. J.
 Washington, D. C.
 West Palm Beach, Fla.
 Toccoa, Ga.
 Bailey, N. C.
 Wilmette, Ill.
 Lakewood, O.
 Bethlehem, Pa.
 Jackson Heights, N. Y.
 Newport News, Va.
 Philadelphia, Pa.
 Durham, N. C.
 Malden, W. Va.
 Rahway, N. J.
 Habana, Cuba
 Philadelphia, Pa.
 Zebulon, N. C.
 Lakewood, O.
 Altoona, Pa.
 Clarksburg, W. Va.
 Plainville, Conn.
 Rutland, Vt.
 Rutland, Vt.
 Holland, Mich.
 Ocean City, N. J.
 Durham, N. C.
 Hagerstown, Md.
 New York, N. Y.
 York, Pa.
 Albemarle, N. C.
 Tampa, Fla.
 Lake Worth, Fla.
 Ft. Myers, Fla.
 Buffalo, N. Y.
 Bethlehem, Pa.
 Mount Vernon, N. Y.
 Rutherford, N. J.
 Statesville, N. C.
 East Cleveland, O.
 New York, N. Y.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 New York, N. Y.
 Durham, N. C.
 Pittsburgh, Pa.
 Webster Groves, Mo.
 Kannapolis, N. C.
 Daytona Beach, Fla.
 Charlotte, N. C.
 Durham, N. C.
 Durham, N. C.
 Charlotte, N. C.
 Shillington, Pa.
 Lewistown, Pa.
 Fall River, Mass.
 Asheville, N. C.
 Daytona Beach, Fla.

- Smith, Judith Brevoort
 Smith, Margaret E.
 Smith, Margaret Love
 Smith, Rosalind Gower
 Smither, Alice Haizlip
 Sour, Nancy Aborn
 Spencer, Bertha Underwood
 Stapf, Edith Ellen
 Stanton, Tommye
 Stark, Carol Jane
 Stark, Jeanne
 Stathers, Mary Jeannette
 Stewart, Virginia Yvonne
 Stone, Mary Catherine
 Stride, Elaine
 Suiter, Virginia Ghio
 Sutton, Anne Vaughan
 Taylor, Betty Ann
 Tecklin, Helen Barbara
 Terhune, Edith Marion
 Thackston, Kathryn Inez
 Theodorsen, Muriel Prentz
 Thigpen, Dorothy Dotger
 Thomas, Reba Carolyn
 Thornton, Marilyn Edith
 Todd, Doris Louise
 Tower, Jean Frances
 Trout, Wilburta Cooper
 Tugwell, Marcia
 Turner, Dorothy
 Turner, Lucy Belle
 Upshaw, Ethelyn Louise
 Upshaw, Nancy Miller
 Vail, Evelyn Gray
 Vereen, Jessie Louise
 vonNardroff, Elfrida
 Ward, Elsie Ann
 Ward, Patricia Marie
 Watson, Eleanor Jane
 Webb, June Irene
 Webster, Lois Ann
 Weiland, Johanna J.
 Weiss, Ruth Gloria
 Wenger, Nancy Jane
 Whitcomb, Martha Jane
 White, Mary Alice
 Whitney, Lucy Stockwell
 Whitney, Marianne Elizabeth
 Williams, Cynthia Ann
 Wilson, Mary Allen
 Wilson, Mary Locklin
 Wood, Anne
 Wooten, Terry Clair
 Wouters, Femina Wilhelmina
 Wright, Frances M.
 Young, Cora Lynn
 Young, Nancy Jane
 Yount, Marea Jordan
 Greystone Park, N. J.
 Washington, Ill.
 Virginia Beach, Va.
 Durham, N. C.
 Winston-Salem, N. C.
 Shreveport, La.
 Birmingham, Ala.
 Cristobal, Canal Zone
 High Point, N. C.
 Erie, Pa.
 Bethlehem, Pa.
 Clarksburg, W. Va.
 Charlotte, N. C.
 Dillon, S. C.
 Biddeford, Me.
 Weldon, N. C.
 Fort Pierce, Fla.
 Tampa, Fla.
 Brooklyn, N. Y.
 Bound Brook, N. J.
 Durham, N. C.
 Hampton, Va.
 Charlotte, N. C.
 Durham, N. C.
 Oakfield, N. Y.
 Alexandria, Va.
 Daytona Beach, Fla.
 South Jacksonville, Fla.
 New York, N. Y.
 Rocky Mount, N. C.
 Durham, N. C.
 Savannah, Ga.
 Raleigh, N. C.
 Pikeville, N. C.
 Miami, Fla.
 Durham, N. C.
 Grosse Ile, Mich.
 Lakeland, Fla.
 Rochester, Minn.
 Lima, O.
 Flushing, N. Y.
 Coral Gables, Fla.
 Elkins Park, Pa.
 Catonsville, Md.
 Lemoyne, Pa.
 Birmingham, Ala.
 West Hartford, Conn.
 Madison, N. J.
 Washington, D. C.
 Birmingham, Ala.
 Mobile, Ala.
 Braintree Highlands, Mass.
 Shellman, Ga.
 Atlanta, Ga.
 Birmingham, Ala.
 Raleigh, N. C.
 Lakewood, O.
 Graham, N. C.

SOPHOMORE CLASS

Asterisk indicates that the student has not attained full class standing in hours or quality points.

Allard, Margaret Louise	Steubenville, O.
Alley, Edith Lewis	West Palm Beach, Fla.
Andrews, Phyllis Jane	Tampa, Fla.
Armistead, Gloria May	Roanoke, Va.
Axton, Barbara Joan	Ft. Sam Houston, Tex.
Bacon, Margaret Elizabeth	Sandusky, O.
Barber, Mary Nancy	Asheville, N. C.
Barkwell, Jean Eleanor	Indiana, Pa.
Barnhardt, Helen McGill	Concord, N. C.
Barrow, Catherine	St. Joseph, Mo.
Barthen, Jacqueline	River Edge, N. J.
Baumgartner, Nancy Jean	Winona, Minn.
Bayes, Betty	Montgomery, W. Va.
Beaver, Josephine	Albemarle, N. C.
Beckert, Shirley Louise	West Orange, N. J.
Bell, Thalia Holland	Cleveland, O.
Black, Martha Elizabeth	New Martinsville, W. Va.
Blackburn, Lillian Ione	Miami, Fla.
Bloom, Dolores	Miami Beach, Fla.
Blue, Lucile Edgerton	Murfreesboro, Tenn.
Bogert, Esther Eoline	Southboro, Mass.
Bond, Mary Maxwell	Winchester, Va.
Boren, Betty Lee	Dayton, O.
Brett, Betty Ann	Santa Barbara, Cal.
Brown, Margaret Daves	Pittsburgh, Pa.
Budge, Lavonne Leigh	West Palm Beach, Fla.
Burroughs, Anne S.	Metuchen, N. J.
Butler, Rosemary Katherine	Washington, D. C.
Buttle, Barbara Louise	Arlington, N. J.
Cardo, Augusta Patricia	Charlotte, N. C.
Carlton, Margie	Tampa, Fla.
Cauldwell, Eleanor T.	Fitchburg, Mass.
Chorpening, Dorothy Louise	Arlington, Va.
Christodoulou, Marie N.	Welch, W. Va.
Clark, Mary Ann	Washington, D. C.
Cline, Alice Jeannette	Norfolk, Va.
Coble, Eugenia Elizabeth	Durham, N. C.
Coe, Jean Blair	Arlington, Va.
Colbert, Jeanne	Washington, D. C.
Collins, Genevieve C.	Kingsport, Tenn.
Cone, Patricia	East Hampton, Conn.
Crigger, Beatrice J.	Durham, N. C.
Currie, Virginia Dare	Whiteville, N. C.
Dameron, Sarah Elizabeth	Durham, N. C.
Dann, Rosemary	North Plainfield, N. J.
Davis, Elizabeth Susan	Richmond, Va.
*Decker, Shirley Margaret	Southbridge, Mass.
Dill, Doris Marguerite	Kirkwood, Mo.
Donegan, Mildred Alice	Largo, Fla.
Donovan, Nancy M.	Raleigh, N. C.
*Doyle, Blanche Price	Durham, N. C.
Draughon, Mary Lou	Durham, N. C.
Dravo, Marguerite	Louisville, Ky.
Duncan, Kathleen	Durham, N. C.
Durant, Harriet March	Mobile, Ala.
Eldredge, Geneva Edwina	South Orleans, Mass.

- Evans, Dorothy Elaine
 Field, Barbara Shreve
 Fisher, Dorothy C.
 Fonville, Irene
 Ford, Elise T.
 Ford, Grace P.
 Foster, June D.
 Fouch, Ann
 *Fountain, Vernon Hope
 Freeman, Carol
 Froass, Mary Constance
 Gallagher, Mary Elizabeth
 Garver, Jane Carolyn
 Gaskins, Mary Elizabeth
 Gauchat, Joan Marie
 Gennett, Julia
 Geyer, Mary Adeline
 Gibson, Daphne
 Gilliam, Betty Jean
 Gilmore, Ruth
 Glen, Cecilia W.
 Goldthorp, Elizabeth Norma
 Goodnow, Virginia
 Goodwin, Helen Dyer
 Gordon, Jesse Hargrave
 Grebe, Camilla Anne
 Green, Betty Josephine
 Green, Janet Marie
 Green, Pauline Anne
 Greenwell, Merthel
 Groome, Dottie Dare
 Haering, Helen E.
 Harbison, Kathryn Holt
 Harwood, Joan
 Hawkins, Virginia Cecil
 Heim, Peggy
 Hightower, Dorothy
 Hillman, Anne Warlick
 Hones, Marguerite Louise
 Horsley, Catherine Jean
 Horton, Janet Van Rensselaer
 Hostetter, Margaret Jane
 Howard, Emily Jane
 *Howe, Betty
 Hubbell, Rosemary Lydia
 Hurley, Susanne Headen
 Iams, Kathrine Virginia
 Ingram, Frances Josephine
 Jackson, Betty Lou
 Johnson, Natalie Kristina
 Johnson, Shirley
 Jones, Marjorie May
 Jones, Mary Elizabeth
 Kane, June Lillian
 Kansteiner, Helen Ruth
 Kauffman, Dorothy J.
 Kearns, Susan
 Kindler, Helen Yvonne
 King, Carolyn
 Washington, Pa.
 Arlington, Va.
 Wysox, Pa.
 Durham, N. C.
 Fort Sill, Okla.
 Milford, Conn.
 Burlington, Vt.
 Orrville, O.
 Tarboro, N. C.
 Sunbury, Pa.
 Oneida, N. Y.
 Brooklyn, N. Y.
 Harrisburg, Pa.
 New Bern, N. C.
 Canton, O.
 Asheville, N. C.
 South Bend, Ind.
 Durham, N. C.
 Coral Gables, Fla.
 Fayetteville, N. C.
 Moncks Corner, S. C.
 Haddonfield, N. J.
 Keene, N. H.
 Pittsfield, Mass.
 Lexington, N. C.
 Hollis, N. Y.
 Downey, Ill.
 Bexley, O.
 Louisville, Ky.
 Dallas, Tex.
 Atlanta, Ga.
 Petersburg, Va.
 Biltmore, N. C.
 Park Ridge, Ill.
 Bloomfield, N. J.
 Sunbury, Pa.
 Wadesboro, N. C.
 Rocky Mount, N. C.
 Roscoe, N. Y.
 Miami, Fla.
 Genesso, N. Y.
 Matawan, N. J.
 Northboro, Mass.
 Cordova, Ala.
 Coral Gables, Fla.
 Greensboro, N. C.
 Tulsa, Okla.
 High Point, N. C.
 Framingham, Mass.
 Miami, Fla.
 Lakewood, N. J.
 Milwaukee, Wisc.
 Webster Groves, Mo.
 Jamaica, N. Y.
 Basking Ridge, N. J.
 Leesburg, Fla.
 Welch, W. Va.
 Jessups, Md.
 Marion, O.

- Knowles, Marjorie Irene
 Lamborn, Lillian Jeanne
 Laws, Nancy Lee
 *Lawson, Syble Leone
 Lee, Maren Theodora
 LeVan, Marion Elizabeth
 Levy, Merle Jane
 Lineberger, Anne S.
 Long, Agnes Christie
 Lowenstein, Ruth
 Luessenhop, Barbara Ann
 Lummis, Frances
 Maddox, Mildred M.
 Magill, Sara K.
 Magness, Nell Rachel
 *Manny, Gloria E.
 Martch, Jeanne Marie
 Martin, Jean Drew
 Mason, Faith
 Mathews, Emily M.
 Matthews, Helen Elizabeth
 Mayhew, Barbarajane
 McArthur, Jean
 McCall, June
 McClenaghan, Anne W.
 McCool, Carol Jane
 *McFadyen, Elizabeth Ann
 Meister, Dagmar A.
 Merritt, Mary Louise
 Mickelsen, Patricia Anne
 Moore, Tacy Morgan
 Moore, Virginia Lee
 Mordecai, Ellen
 Morrison, Harriet Marie
 Morrison, Mary Ann
 Moskowitz, Ernestine
 Murdock, Shirley Marion
 Murph, Guynell
 *Nelson, Arlyn
 Nicholson, Martha
 Obermaier, Margaret Elizabeth
 Olive, Betsy Ann
 O'Neal, Joan
 Paradies, Doris Harriett
 Patton, Marjorie Rose
 Paty, Helen Leone
 Paty, Jo Anne
 Perkins, Eunice Myrtle
 Permenter, Martha Ethel
 Petre, Ursula Viola
 Phipps, Carol King
 Pierce, Elizabeth Ann
 Pierce, Margaret Ellen
 Pine, Elizabeth Carr
 Poole, Madge
 Poole, Margaret Virginia
 Poole, Nell
 Rahily, Kathleen M.
 Rake, Margaret Evelyn
 Fairmont, W. Va.
 Shrewsbury, N. J.
 Chevy Chase, Md.
 Durham, N. C.
 West Hempstead, N. Y.
 Lebanon, Pa.
 West Hartford, Conn.
 Raleigh, N. C.
 Durham, N. C.
 New York, N. Y.
 Westfield, N. J.
 Ft. McClellan, Ala.
 Thomasville, N. C.
 Chester, S. C.
 Spartanburg, S. C.
 New York, N. Y.
 Fairmont, W. Va.
 Rochester, N. Y.
 Boston, Mass.
 Jacksonville, Fla.
 Durham, N. C.
 Coral Gables, Fla.
 Miami, Fla.
 Charleston, S. C.
 Raleigh, N. C.
 Great Neck, N. Y.
 Fayetteville, N. C.
 New York, N. Y.
 Mount Airy, N. C.
 Chicago, Ill.
 Daytona Beach, Fla.
 Baltimore, Md.
 Raleigh, N. C.
 Birmingham, Ala.
 Indianapolis, Ind.
 Newport News, Va.
 Ft. Lauderdale, Fla.
 White Stone, S. C.
 Sharon, Mass.
 Statesville, N. C.
 York, Pa.
 Durham, N. C.
 Greensboro, N. C.
 Atlanta, Ga.
 Jonesboro, Ark.
 Porterdale, Ga.
 Elizabethton, Tenn.
 Bath, Me.
 Jacksonville, Fla.
 Carlisle, Pa.
 Clintwood, Va.
 Dallas, Tex.
 Hallowell, Me.
 Washington, D. C.
 Troy, N. C.
 Durham, N. C.
 Troy, N. C.
 Petersburg, Va.
 Philadelphia, Pa.

- Ramsburgh, Julia M.
 Ramsey, Barbara
 Randolph, Frances Madeline
 Rankin, Betsy Brandon
 Rankin, Eleanor Lambeth
 Read, Cynthia Lowe
 Reep, Wilda Elizabeth
 Register, Anne Lee
 Richards, Memory Fay
 Richardson, Frances Claire
 Riggles, Jean Van Horn
 Rikert, Camilla
 Rile, Harriet Harvey
 *Roach, Eleanor Lee
 Rockafellow, Frances Ethel
 Ronk, Alice Edwina
 Ryon, Mary Elizabeth
 Schlueter, Alice Hazel
 Scholz, Elizabeth Anne
 Schoonover, Betty Simmons
 Schroder, Margaret Pauline
 Schulken, Mildred Deppe
 Seidenman, Joan
 *Sellers, Virginia Lee
 Shapleigh, Virginia
 Shore, Ruth Long
 Siegel, Leona Beatrice
 Snyder, Cora Crawford
 Spach, Mary Evelyn
 Sprague, Marian
 Sprunt, Edna M.
 Starnes, Elizabeth C.
 Stoddard, Donna Elizabeth
 Stoff, Myra
 *Straughn, Carolyn Elizabeth
 Streeter, Beverly Marie
 Strohm, Jane Olivia
 Succop, Oneita Ann
 Sugg, Dorothy Elizabeth
 Super, Mary Virginia
 Swisher, Betty Lee
 Tausch, Barbara
 *Tall, Nancy Lee
 Taylor, Marguerite
 Tearse, Barbara Ann
 Thiele, Marguerite Alberta
 Thompson, Billie Katherine
 Thompson, Celia Mae
 Thompson, Vivette
 Tilden, Mary W.
 Tipton, Evelyn M.
 Totman, Virginia
 Trout, Antoinette G.
 Turrell, Carolyn Ruth
 Wade, Helen Sylvia
 Walker, Ann
 Walker, Anna Jean
 Walker, Doreen Virginia
 Ware, Norma
 Frederick, Md.
 Washington, D. C.
 Towson, Md.
 Concord, N. C.
 Durham, N. C.
 Miami Beach, Fla.
 Durham, N. C.
 Greenville, N. C.
 Columbus, Ga.
 West Hartford, Conn.
 Washington, D. C.
 Mount Hermon, Mass.
 Philadelphia, Pa.
 Richmond, Va.
 Camden, S. C.
 Suffern, N. Y.
 Washington, D. C.
 Orange, N. J.
 Birmingham, Ala.
 Ft. Worth, Tex.
 Durham, N. C.
 Durham, N. C.
 Philadelphia, Pa.
 Port Huron, Mich.
 Wilmington, Del.
 Winston-Salem, N. C.
 Maplewood, N. J.
 Shepherdstown, W. Va.
 Winston-Salem, N. C.
 Salamanca, N. Y.
 Winston-Salem, N. C.
 Cherryville, N. C.
 N. Newington, Conn.
 Brooklyn, N. Y.
 Durham, N. C.
 Schenectady, N. Y.
 Indianapolis, Ind.
 Freehold, N. J.
 Durham, N. C.
 Petersburg, Va.
 Levels, W. Va.
 Washington, D. C.
 Radford, Va.
 Morristown, Tenn.
 Winona, Minn.
 Charleston, S. C.
 Coral Gables, Fla.
 Durham, N. C.
 Winnetka, Ill.
 Jamestown, N. C.
 Petersburg, Va.
 Linthicum Heights, Md.
 South Jacksonville, Fla.
 Urbana, O.
 Pittsfield, Mass.
 Hyattsville, Md.
 Durham, N. C.
 Mt. Kisco, N. Y.
 Macon, Ga.

Wasson, Marilyn Clare
 Watlington, Laura Lynn
 Wetmore, Marion Dare
 Williams, Sharlot Jane
 Wilson, Betty Ann
 *Wilson, Elizabeth Fussell
 Wilson, Rose Marian
 Wood, Lois Edna
 Woodall, Erin Tuttle
 Woodard, Edna Gay
 Woodruff, Ann
 Wyman, Marjorie
 Yeager, Cornelia
 Young, Carolyn Katherine
 Zollicoffer, Julia Bryan

Indianapolis, Ind.
 Morganton, N. C.
 Durham, N. C.
 Kirkwood, Mo.
 Hampton, Va.
 Rose Hill, N. C.
 Rittman, O.
 Salisbury, Md.
 Warrenton, N. C.
 Wilson, N. C.
 Clermont, Fla.
 St. Clairsville, O.
 Ft. Worth, Tex.
 Ft. Monroe, Va.
 Henderson, N. C.

JUNIOR CLASS

Asterisk indicates that the student has not attained full class standing in hours or quality points.

Adams, Marybelle
 Aeugle, Margaretta Elizabeth
 Alden, Jeannette Lorraine
 Atkinson, Anna Mae
 Bankhardt, Mary Katherine
 Barnwell, Ruth Marshall
 Barry, Ann Lenore
 Beattie, Catherine Taylor
 Bendall, Jane Weaver
 Bennett, Jean Arline
 Bentley, Nancy Joyce
 Berry, Martha Mae
 Blomberg, Mildred Jean
 Boddie, Harriet Susan
 Broadhurst, Nancy Lee
 Brooks, Helen
 Brown, Eva Jane
 Brown, Mary Anne
 Buford, Ada Jayne
 *Bullock, Martha Kyle
 Bunker, Dorothy Koontz
 Bunting, Helen Lindsay
 *Bunting, Sarah Ansley
 Campbell, Constance Gertrude
 *Campbell, Eleanor Anne
 Cline, Evelyn Frances
 Coggin, Mary Elizabeth
 Conor, Dolores Marie
 Cooper, Frances Aileen
 Cotten, Annie Laura
 Cox, Bessie Alston
 Crone, Elsie
 Cross, Alice Eloise
 Crossan, Laura Marian
 *Crouse, Willena H.
 *Davis, Ann Minerva
 Davis, Annette Koym
 Dickson, Shirley Louise
 Dillon, Catherine
 Driscoll, Dale Marie

Skillman, N. J.
 Philadelphia, Pa.
 Amston, Conn.
 Durham, N. C.
 Ft. Thomas, Ky.
 Florence, S. C.
 Durham, N. C.
 Winchester, Va.
 Valley Stream, N. Y.
 Brevard, N. C.
 Ravenna, O.
 Birmingham, Ala.
 Durham, N. C.
 Durham, N. C.
 Brooklyn, N. Y.
 Bryson City, N. C.
 Asheville, N. C.
 Washington, D. C.
 Charleston, W. Va.
 Roanoke, Va.
 Mt. Airy, N. C.
 Oxford, Pa.
 Philadelphia, Pa.
 Habana, Cuba
 Durham, N. C.
 Durham, N. C.
 Raleigh, N. C.
 Ridgefield, N. J.
 Greenville, Pa.
 Stem, N. C.
 Columbus, Miss.
 Detroit, Mich.
 Wynnwood, Pa.
 Wadsworth, O.
 Durham, N. C.
 Durham, N. C.
 Washington, D. C.
 Mt. Rainier, Md.
 Lewisburg, W. Va.
 Montclair, N. J.

Dykes, Beverly P.
 Dysart, Juliana
 Elmore, Margaret S.
 Etzel, Vivien
 Fisher, Margaret Ethel
 *Fountain, Annie Ruth
 Fouraker, Betty June
 Fowler, Betty
 Freels, Mary Nelson
 Frizzelle, Jennie Brown
 Frost, Harriet Norma
 Fulk, Frances Houston
 Gilliam, Kathryn Margaret
 Goode, Georgellen
 Gordon, Mary Lindsay
 Grant, Joy
 Grice, M. Ruth
 Gwaltney, Mary Carolyn
 Hance, Audrey Beryl
 Harris, Sybil Carter
 Hebble, Dorothy
 Hedrick, Julia
 Helmich, Anne Shirley
 Hinely, Annette
 Holcombe, Elizabeth Louise
 Hoover, Sylvia
 Huemer, Frances Evelyn
 Huntley, Constance A.
 Isley, Judith A.
 Jeschke, Barbara Ann
 Johnson, Carolyn Frances
 Johnson, Edna Dale
 Johnston, Jane Ellen
 Jolly, Ruth Aileen
 Jones, Caroline M.
 Joyner, Virginia Claire
 Kellogg, Elizabeth
 Keys, Margaret Elizabeth
 King, Lora Eileen
 Kirkmyer, Agnes Weeks
 Kriek, Louise
 Labs, Dorothy
 Lambert, Sarah
 Lance, Sarah
 Lane, Ella Mae
 Lange, Katharine
 LaVine, Jean Alice
 Lawrence, Anna Frances
 Lepper, Mary Ellen
 Lewis, Elizabeth F.
 Lewis, James Jacquelyn
 Long, Margaret Elizabeth
 *Lorentz, Henrietta
 Lucke, Marjorie
 Lukens, Margaret
 Magoon, Katherine Louise
 Magruder, Anne
 Maidenbaum, Lilly
 Matthews, Katherine Elizabeth

Bound Brook, N. J.
 Elko, Nev.
 Painter, Va.
 Little Neck, N. Y.
 Youngstown, O.
 Tarboro, N. C.
 Raleigh, N. C.
 Tampa, Fla.
 Morristown, Tenn.
 Durham, N. C.
 Newport News, Va.
 Spencer, N. C.
 Coral Gables, Fla.
 Statesville, N. C.
 Lexington, N. C.
 Northeast, Md.
 Ogden, Utah
 Osceola, Ark.
 Pittsburgh, Pa.
 Durham, N. C.
 Newport News, Va.
 Washington, D. C.
 Birmingham, Ala.
 Savannah, Ga.
 Charleston, W. Va.
 Durham, N. C.
 Newark, N. J.
 Durham, N. C.
 Hampton, Va.
 Milwaukee, Wisc.
 Upton, Mass.
 Denton, N. C.
 Annapolis, Md.
 Pittsburgh, Pa.
 Birmingham, Ala.
 Gainesville, Fla.
 New York, N. Y.
 Fayetteville, N. C.
 Morrisville, Pa.
 Richmond, Va.
 Enka, N. C.
 Pitman, N. J.
 Rocky Mount, N. C.
 Clinton, N. C.
 Rocky Mount, N. C.
 Washington, D. C.
 Stillwater, Minn.
 Durham, N. C.
 Hastings-on-Hudson, N. Y.
 Miami Beach, Fla.
 Evarts, Ky.
 Baltimore, Md.
 Charleston, W. Va.
 Toledo, O.
 Atlanta, Ga.
 Habana, Cuba
 Camp Forest, Tenn.
 New York, N. Y.
 Durham, N. C.

- Mattox, Doyme
 McDermott, Anna Jeanette
 McDonald, Ruth Reade
 McGriff, Mary Emily
 McKelvie, Ruth
 *McKisson, Nancy
 McLendon, Ida
 Mead, Martha Elizabeth
 Medlicott, Elizabeth
 Mellin, Anne
 Merrick, Mary Louise
 Miller, Marjorie Lou
 Minner, Eunice Faye
 Moseley, Louise Virginia
 Moulton, Ruth
 Murray, Mary Novella
 Nason, Nancy
 Neel, Mary Louise
 Nichols, Zora Lois
 Norman, Kathryn
 Norris, Mary Louise
 Oakes, Frances
 Osborne, Phyllis Marie
 Overstreet, Mary Belle
 Parker, Kathryn
 Pate, Marie Fiquet
 Pelletier, Nancy Jane
 Pendleton, Constance
 Perrin, Susanne
 Pettigrew, Kathleen
 Price, Carolyn Louise
 Price, Jeanne
 Rabel, Annale
 Ranger, Mary
 Rauschenberg, Georgia
 Reed, Marian Leona
 Rees, Mildred Nell
 Rockafellow, Margaret
 Salley, Antoinette
 Samovitz, Zelda
 Sampson, June Evelyn
 Schmidt, Jean Barbara
 Scholl, Mary Katherine
 Seawell, Betty Jane
 Seay, Ruth Doris
 Shive, Shirley Jane
 Shuff, Phyllis Carolyn
 Shumate, Camille
 Smith, Ella Mae
 Smith, Patricia May
 Smith, Sylvia
 Snyder, Beverly
 Snyder, Dorothy Dair
 Spangler, Nancy
 Spencer, Shirley Mary
 Stackhouse, Dorothy Lucile
 Stark, Marjorie
 Stout, Barbara
 Stribling, Betty
 Terre Haute, Ind.
 Lansdowne, Pa.
 Durham, N. C.
 Birmingham, Ala.
 Huntsville, Ala.
 Winnetka, Ill.
 St. Augustine, Fla.
 Montgomery, Ala.
 Indianapolis, Ind.
 Gardner, Mass.
 Glen Rock, Pa.
 Toledo, O.
 Catasauqua, Pa.
 Yonkers, N. Y.
 Mobile, Ala.
 Durham, N. C.
 Wilmington, Del.
 Thomasville, Ga.
 Homestead, Fla.
 Raleigh, N. C.
 Fairmont, W. Va.
 Weldon, N. C.
 Lawton, Okla.
 Jonesboro, Ark.
 Durham, N. C.
 Laurinburg, N. C.
 Santa Fe, N. Mex.
 Falls Church, Va.
 Ft. Meade, Md.
 Bridgeport, Conn.
 Fairfield, Conn.
 Forest Hills, N. Y.
 New Martinsville, W. Va.
 Lynn, Mass.
 Atlanta, Ga.
 St. Petersburg, Fla.
 Roanoka, Va.
 Camden, S. C.
 Asheville, N. C.
 Poughkeepsie, N. Y.
 Tipp City, O.
 Mountain Lakes, N. J.
 Charlotte, N. C.
 Carthage, N. C.
 Spencer, N. C.
 Belleville, Ill.
 Greenville, N. C.
 Atlanta, Ga.
 Winston-Salem, N. C.
 Newton Highlands, Mass.
 Washington, Ill.
 Patchogue, N. Y.
 Dover, O.
 Princeton, W. Va.
 Lake Charles, La.
 Washington, D. C.
 Erie, Pa.
 Corozal, Canal Zone
 Washington, D. C.

Sutton, Mary Alice
 Taylor, Ruby Lee
 Thacker, Bernice
 Thackston, Frances
 Thomas, Dorothy
 Thomas, Margaret
 Thomas, Virginia
 Thresher, Joyce
 Trudell, Evelyn Virginia
 *Ward, Charlotte Adalaide
 Ward, Virginia Cranston
 Warren, Margaret E.
 Warren, Mary Alice
 Watkins, Dorothy Jeanne
 Wellnitz, Dorothy
 Whitney, Eleanor Coburn
 Whitson, Edith Lorraine
 Williams, Mary Burchett
 Woody, Mary Sievers
 Wrench, Leonor
 Zerfass, Virginia Betty
 Zinner, Dora Kathrine

Tampico, Mexico
 Efland, N. C.
 Disputanta, Va.
 Durham, N. C.
 Clifton, N. J.
 Waycross, Ga.
 Santa Fe, N. Mex.
 Miami Beach, Fla.
 Pittsburgh, Pa.
 New Bern, N. C.
 Cleveland, O.
 Shaker Heights, O.
 Canton, O.
 Zanesville, O.
 Norwalk, Conn.
 Greensboro, N. C.
 Denver, Colo.
 Suffolk, Va.
 Roxboro, N. C.
 Sao Paulo, Brazil
 Dansville, N. Y.
 Wilmington, Del.

SENIOR CLASS

Adams, Luane Everett
 Alexander, Margaret Elizabeth
 Allen, Donna C. Rehkopf
 Ambrose, Marilyn
 Armstrong, Mary Elizabeth
 Baca, Antoinette
 Bachman, Gloria R.
 Bailey, Loui Lloyd
 Balloch, Elinore Anne
 Barber, Marjorie
 Bassett, Carol Sebring
 Baylin, Muriel Rosalind
 Beaver, Pauline Harris
 Bedsworth, Mary Catherine
 Bell, Inza Tomlinson
 Bendall, Amanda Lee
 Bew, Betty Ann deMerci
 Bishop, Betty May
 Blake, Persis Weare
 Bloom, Shirley Elayne
 Blount, Margaret Little
 Blume, Shirley Beatrice
 Bock, Ann Marie
 Booe, Alice Lucinda
 Bowne, Henrietta Elizabeth
 Bracken, Audrey Olive
 Brinson, Helen Slade
 Brower, Blanna Mathews
 Bussell, Margaret Rose
 Clark, Frances Eleanor
 Clark, Mary Jane
 Cochran, Frances Donald
 Cole, Sarah Camille
 Collier, Marjorie
 Cooper, Karleen Bettie

Jonesboro, Ark.
 Charlotte, N. C.
 Berwyn, Ill.
 Westfield, N. J.
 Philadelphia, Pa.
 Earlington, Ky.
 Catasauqua, Pa.
 Richmond, Va.
 Travelers Rest, S. C.
 Charlotte, N. C.
 Rockford, Ill.
 Baltimore, Md.
 Albemarle, N. C.
 Willis Wharf, Va.
 Wilson, N. C.
 Valley Stream, N. Y.
 Tuxedo Park, N. Y.
 Chester, Conn.
 Bradenton, Fla.
 Miami Beach, Fla.
 Bethel, N. C.
 Ft. Lauderdale, Fla.
 White Plains, N. Y.
 Asheville, N. C.
 Washington, D. C.
 Brentwood, Pa.
 New Bern, N. C.
 Durham, N. C.
 Durham, N. C.
 Washington, D. C.
 Berea, Ky.
 Statesville, N. C.
 Winston-Salem, N. C.
 Ormond Beach, Fla.
 Laurel, Miss.

Craig, Kathryne Taylor
Curry, Jane C.
Curtis, Kathleen
Davis, Ann McCarroll
Deaton, Mary Elizabeth
Dell, Mary
Deming, Virginia Mae
Dubs, Anne Louise
Duncan, Constance Lyons
Dunkelberger, Kathryn M.
Eder, Marianne Allen
Edwards, Muriel
Ericson, Betty Louise
Faucette, Naomi Rachel
Fisher, Grace Helen
Flentye, Barbara
Frankenhoff, Hilda L.
Frantz, Emilie Nofer
Fries, Barbara Bissell
Goldsmith, Mary Frances
Goodbody, Virginia Ruth
Gordon, Phyllis Anne
Griffin, Fay
Grose, Ida Mary
Haley, Leonor Davison
Hall, Jane E.
Hallum, Frances
Harper, Charity Anne Rebecca
Hazelrigg, Joan Reycraft
Hendrickson, Peggy Jane
Henninger, Henrietta Flynn
Herrmann, Elizabeth Margaret
Hicks, Jane Carol
Highsmith, Katherine H.
Holland, Betty
Hopkins, Sara Olmstead
Hughes, Donna Lentz
Hughes, Jean Carol
Hutchison, Betty J.
Jackson, Helen Joan
Jackson, Jeanne Nancy
Jansen, Phyllis Elaine
Jarden, Barbara Elizabeth
Johnson, Elizabeth Ann
Johnson, Frances Norman
Jones, Barbara Ann
Jossman, Sally
Kerns, Nannie Lou
Knight, Jean Dixon
Koukol, Barbara B.
Lake, Carol Georgette
Lavington, Doris Nona
Lednum, Ethel Anna
Lee, Lillian Armfield
Ludt, Sara Jane
Macalister, Mary
Mackall, Mary Evelyn
MacNeill, Mary Barnes
Malcolm, Frances Harrison

Asheville, N. C.
Miami, Fla.
Jacksonville, Fla.
Louisville, Ky.
Greensboro, N. C.
Valdosta, Ga.
Mill Neck, N. Y.
Durham, N. C.
Philadelphia, Pa.
Denver, Colo.
Forty Fort, Pa.
Valley Stream, N. Y.
Hastings-on-Hudson, N. Y.
Durham, N. C.
Morehouse, Mo.
Aurora, Ill.
Everglades, Fla.
Kingston, Pa.
Buffalo, N. Y.
Newton, N. J.
New Rochelle, N. Y.
Winston-Salem, N. C.
Dothan, Ala.
Durham, N. C.
Front Royal, Va.
Shaker Heights, O.
Rockingham, N. C.
Habana, Cuba
Cleveland, O.
Darlington, S. C.
Allentown, Pa.
York, Pa.
Baltimore, Md.
Raleigh, N. C.
Statesville, N. C.
Durham, N. C.
Allentown, Pa.
East Stroudsburg, Pa.
Charlotte, N. C.
Alma, Mich.
Wilmington, N. C.
Fair Haven, N. J.
Upper Darby, Pa.
Kansas City, Mo.
Weldon, N. C.
Warren, Mass.
Pontiac, Mich.
Durham, N. C.
Baltimore, Md.
Ridgewood, N. J.
Newark, N. J.
Brightwaters, N. Y.
Sayville, N. Y.
Roanoke Rapids, N. C.
Chevy Chase, Md.
Wilmette, Ill.
Mackall, Md.
Maxton, N. C.
Durham, N. C.

Mann, Naomi Aiken
Martin, Beulah Doris
Mayo, Mary Jane Collins
McCoy, Marianne
McRae, Eleanor A.
McRae, Octavia
Mercer, Margaret Alice
Merritt, Zillah Johnson
Miner, Anna Barbara Varnes
Miner, Helen Louise
Mixson, Carolyn
Moore, Ann Curtis
Moore, Grace Danley
Morgan, Dorothy
Morrison, Anne Wikoff
Morrison, Leila Alston
Mosler, Jacquelyn
Neaves, Rosamond
Nichols, Shirley
Norton, Margaret Anne
Peeler, Annie Laurie
Pipper, Joyce Celia
Pitts, Marion Coleman
Pohl, Marian Evelyn
Price, Eva Louise
Purcell, Jean Henderson
Rankin, Ellen W.
Raupagh, Catherine
Reichert, Mary Louise
Richards, Martha Frances
Roess, Ann Anderson
Rooker, Gladys Virginia
Ross, Margaret Elaine
Royal, Dorothy Ruth
Rudisill, Anna Jane
Rutledge, Nina Frances
Sandridge, Lucy Lee
Saturday, Florence Gwendolyn
Schule, Alice Watkins
Schulein, Dorothy Ann
Selden, Vida
Shackford, Elizabeth B.
Smith, Terrell
Snyder, Annabelle
Spann, Yvonne Marie Jeanne
Starke, Sally Moore
Stenhouse, Marjorie
Stowe, Margaret Osborne
Sturtevant, Jean Margaret
Tarpley, Nancy
Taylor, Elizabeth McCaw
Taylor, Mary Augusta
Thomas, Mary Ellen
Thompson, Elva Anne
Thompson, Helen
Tobias, Anne Joy
Turner, Mary Hall
Upshaw, Carolyn Elizabeth
Vandegriff, Sara Anne

Durham, N. C.
Malverne, N. Y.
Coral Gables, Fla.
Durham, N. C.
Fayetteville, N. C.
Rockingham, N. C.
East Orange, N. J.
Gainesville, Ga.
Wilmington, Del.
Wilkesburg, Pa.
Beaumont, Tex.
Louisville, Ky.
Pittsburgh, Pa.
Providence, R. I.
New Brunswick, N. J.
Concord, N. C.
Palm Beach, Fla.
Elkin, N. C.
Long Branch, N. J.
Philadelphia, Pa.
Memphis, Tenn.
Moorestown, N. J.
Charlotte, N. C.
Trenton, N. J.
Ashland, Ky.
Round Hill, Va.
Concord, N. C.
Grosse Pointe, Mich.
Miami, Fla.
Columbus, Ga.
Jacksonville, Fla.
Norlina, N. C.
Newark, N. J.
Shelby, Mich.
Hagerstown, Md.
Durham, N. C.
Charlotte, N. C.
Durham, N. C.
Washington, D. C.
New York, N. Y.
Miami, Fla.
Rock Hill, S. C.
Rockingham, N. C.
Slatinton, Pa.
Collingswood, N. J.
Bristol, Va.
Goldsboro, N. C.
Asheboro, N. C.
Erie, Pa.
Greensboro, N. C.
Winston-Salem, N. C.
Roanoke Rapids, N. C.
Raeford, N. C.
Shelby, N. C.
Durham, N. C.
Atlanta, Ga.
Miami, Fla.
Savannah, Ga.
Atlanta, Ga.

Van Kleeck, Caroyl
Watkins, Kathleen Hamlin
Webster, Mary Stuart
Webster, Sheena Mary
Wells, Jean
Weston, Sara E.
Westwood, Nina Evelyn
Wheatley, Sarah Elizabeth
Williams, Joanne Coby
Williams, Rosalie Grayson
Woodhull, Jean Clarke
Woods, Peggy
Woolley, Carolyn J.
Wrenn, Nancy Vestal
Young, Mary Elizabeth

Brooklyn, N. Y.
Durham, N. C.
Haddon Heights, N. J.
Westfield, N. J.
Dormont, Pa.
Warren, O.
St. Petersburg, Fla.
Chestertown, Md.
Kirkwood, Mo.
Max Meadows, Va.
Bethlehem, Pa.
Miami, Fla.
Maplewood, N. J.
Southern Pines, N. C.
Cuyahoga Falls, O.

SPECIAL STUDENTS

Adams, Erma Lee
Bailey, Mrs. Kay S.
Bowen, Mrs. Mary C.
Brogden, Dorothy
Browne, Lula
Bryan, Frances Ellen
Bryan, Mrs. Sally W.
Cameron, Marjorie Louise
Cooke, Edith Celestia
Creech, Dorothy
Dameron, Lillian Sybil
Dudley, Mrs. Kathleen M.
Eberle, Mrs. S. S.
Edelstein, Mrs. Elaine
Ennis, Mrs. Bernice B.
Forlines, Martha Lane
Friedman, Mrs. Ruth
Hewitt, Mrs. Birdie
Jett, Florence Leigh
Jones, Elsie
Kelley, Edith
Killam, Miriam B.
Koch, Mrs. Lucy
Lund, Mrs. Lydia M.
MacMillan, Louise
Messicks, Lillian
Myers, Mary Elizabeth
O'Rourke, Ann Elisabeth
Parker, Wixie
Perna, Mrs. F. J.
Powe, Frances
Roalfe, Mrs. Mary H.
Schnoor, Mrs. Florence Handy
Smith, Mrs. Ruby Belle
Upton, Mrs. Ann Nash

Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
West Palm Beach, Fla.
Durham, N. C.
Minneapolis, Minn.
Meriden, Conn.
Durham, N. C.
Goldsboro, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Bluefield, W. Va.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Dundalk, Md.
Durham, N. C.
Leesville, S. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.
Durham, N. C.

COLLEGE OF ENGINEERING

FRESHMAN CLASS

Adams, William Frederick
Alexander, William Coburn, III
Anthony, Edwin Leon

North Creek, N. Y.
Durham, N. C.
Binghamton, N. Y.

- Arrowsmith, Dirck Walton
 Ashby, Rufus
 Baer, Harry Robert
 Ball, James H.
 Bartlett, William Herman
 Bebell, Charles Jacob
 Becker, William Frederick
 Beddingfield, Richard Jackson
 Beer, Robert Augur
 Bennett, Edgar Bowling
 Bernard, Donald Montfort, Jr.
 Blackwell, Holden
 Blanchard, William Garland
 Blanton, Stewart Bennett
 Bloxham, Harold Carlton
 Booth, Roland Jenkins
 Brandon, Norfleet
 Braswell, Charles Clarence
 Bright, Turner Newton
 Broadfield, Ward Holt, Jr.
 Brockman, Henry George
 Brooks, Jack Martin
 Brown, Lloyd Lee
 Bryan, William Arnold
 Bunn, Braxton Craven
 Cannon, James Edmerson
 Carmichael, Clifford
 Carpenter, Robert Murray
 Carter, James Edward
 Chipley, Flake Bailey
 Clark, Hubert Karl
 Cocke, John
 Coe, Kenneth Sears
 Coman, William Thomas
 Cook, Berdel Alfred
 Coolbroth, Richard Leon
 Copley, Alden Gibson
 Corwin, Richard Crane
 Cox, Henry Milton
 Cox, James Herbert
 Croft, Shelly Edward
 Davis, William Archie
 Delionback, Leon Melvin, Jr.
 Dietzel, Paul Franklin
 Dixon, John Milner
 Doyle, Richard Lee
 Eastman, Paul Reed
 Elkins, Augustus Coolidge
 Elliott, Escalus E.
 Fels, Frederic Edward
 Felske, Richard Norman
 Fink, Thomas John
 Fleming, David George
 Fox, George Henry
 Freedman, William
 Gannon, Frank Joseph
 Graham, Joe Lawton
 Hargett, Deyward Mitchell
 Harkness, Richard Roland
 Atlanta, Ga.
 Durham, N. C.
 Youngstown, O.
 Winston-Salem, N. C.
 Charlotte, N. C.
 Toronto, Canada
 Nutley, N. J.
 Great Neck, N. Y.
 Washington, D. C.
 Richmond, Va.
 Chevy Chase, Md.
 Jacksonville, Fla.
 Hertford, N. C.
 Charlotte, N. C.
 Spartanburg, S. C.
 Kenmore, N. Y.
 Yanceyville, N. C.
 Durham, N. C.
 Durham, N. C.
 Cartersville, Ga.
 Salisbury, N. C.
 Hilton Village, Va.
 Erwin, Tenn.
 Durham, N. C.
 Spring Hope, N. C.
 Jacksonville, Fla.
 Clifton, N. J.
 Hagerstown, Md.
 Durham, N. C.
 Rocky Mount, N. C.
 Durham, N. C.
 Charlotte, N. C.
 Charlotte, N. C.
 Durham, N. C.
 Springdale, Conn.
 Brooklyn, N. Y.
 New Rochelle, N. Y.
 Toledo, O.
 Pearl River, N. Y.
 Bridgeton, N. J.
 Waterbury, Conn.
 Charlotte, N. C.
 Durham, N. C.
 Mansfield, O.
 Waterbury, Conn.
 Buffalo, N. Y.
 Bronxville, N. Y.
 Durham, N. C.
 Durham, N. C.
 Santurce, Puerto Rico
 West Hartford, Conn.
 West Mansfield, O.
 Ravenswood, W. Va.
 Oaklyn, N. J.
 Durham, N. C.
 Tampa, Fla.
 Coral Gables, Fla.
 Charlotte, N. C.
 Randolph, N. Y.

Harris, Frank Leslie, Jr.
 Hartzell, Edson Keith
 Hedin, Richard Hubert
 Hennighausen, Frederick H.
 Highsmith, Jasper Noah, Jr.
 Hipple, Harris Blair
 Hobbs, James Copeland
 Hought, Frank Pearson
 Houseworth, Joseph Edward
 Huckabee, Edgar Bowen
 Imhoff, John Leonard
 Ingalls, Warren Montgomery
 Irwin, Frank Moore
 Karantonis, Toney
 Kelly, James Gerald
 Kendall, Fred Algie, Jr.
 King, Fred Grant
 Knight, Thomas Gordon
 Krukowski, Edmund Casner
 Kurtz, William Brownlow
 Lambert, Edgar Ellsworth
 Lasater, John Ervin
 Lavenstein, Jerry Leslie
 Levy, J. Leo
 Lillie, George Albert
 Lyle, Morton Clinton
 Mann, Emmett Harry
 Manor, Marshall Melvin
 Marshall, Charles Robert
 Martin, Joel Estes
 Mason, William Albert
 McCaslin, Edgar Blair
 McClellan, Hugh Mac
 McCormick, Kenneth Wallace
 McCusker, Edward Frank
 McMahon, Wallace
 McPherson, Walter K.
 Mehl, William Edward
 Melton, Thomas Alexander
 Meyer, Warren
 Miller, Frank Lane, Jr.
 Miller, George Brown
 Miller, William Francis
 Miller, William Hugh
 Morgan, Alton Carroll
 Muller, Donald Harvey
 Muller, Joseph Robert
 Nivens, Scott Alexander
 Ornoff, Harold
 Pace, Thomas Marshall
 Palmer, William Jacob
 Parks, Harry Price
 Parnell, Richard Allan
 Paton, Robert Chester
 Poole, Lloyd Christian
 Poplar, James Roswell
 Procopion, Samson
 Ranon, Severin Donald
 Reckenbeil, Arthur Jacob

Racine, Wis.
 Bristol, Va.
 East Orange, N. J.
 Baltimore, Md.
 Durham, N. C.
 Spring City, Pa.
 Durham, N. C.
 Willow Grove, Pa.
 Philadelphia, Pa.
 Durham, N. C.
 Baltimore, Md.
 Englewood, N. J.
 Raleigh, N. C.
 Colcord, W. Va.
 Durham, N. C.
 Johns, N. C.
 Youngstown, O.
 Tampa, Fla.
 New Haven, Conn.
 Waterbury, Conn.
 Rocky Mount, N. J.
 Durham, N. C.
 Petersburg, Va.
 Baltimore, Md.
 Toms River, N. J.
 Cape May, N. J.
 Nunda, N. Y.
 Birmingham, Mich.
 Martin, Ky.
 Charlotte, N. C.
 Detroit, Mich.
 Floral Park, N. Y.
 Fulton, Ky.
 Media, Pa.
 Endicott, N. Y.
 St. Petersburg, Fla.
 Sewickley, Pa.
 Erie, Pa.
 Durham, N. C.
 Staten Island, N. Y.
 Charlotte, N. C.
 Durham, N. C.
 Youngstown, O.
 Highland Park, Mich.
 Winston-Salem, N. C.
 Brooklyn, N. Y.
 Irvington, N. J.
 Charlotte, N. C.
 Durham, N. C.
 Pensacola, Fla.
 Baltimore, Md.
 Waycross, Ga.
 Kyle, W. Va.
 Lyons, N. Y.
 Richmond, Va.
 Havre de Grace, Md.
 Waterbury, Conn.
 Irvington, N. J.
 New Hyde Park, L. I., N. Y.

- Reyle, Jack Edward
 Rice, Charles Fenton
 Ritchison, Stanley Everett
 Rivers, Charles Guy
 Robbins, Albert Lee
 Rollins, Kirtley Milton
 Rowe, Frank Hamett, Jr.
 Rowland, James Wesley
 Roxlo, William de
 Rzeszotarski, Albin Joseph
 Saturday, Harrison Kenneth
 Sause, Richard
 Saunders, Robert Neal
 Saunders, Stanley Stewart
 Scanlon, William John
 Schafer, Robert John
 Schanz, Arthur C.
 Schnell, Charles Norman
 Scholl, George Herbert
 Schroeder, Hobart Arthur
 Scott, Kenneth McCoy
 Seeley, Dunham B.
 Sellers, Robert Nesbit
 Senter, Guy Milton
 Shearin, William Thomas
 Sheptow, Edward Richard
 Shoemaker, Frank Jerry
 Silverbach, Lee E.
 Slaughter, Grimes Gibbons
 Small, Herbert Wesley
 Smith, Edwin James
 Smith, Robert Francis
 Smurthwaite, Paul Malcolm
 Steele, Albert Johnston
 Stepbach, Robert Frank, Jr.
 Stockslager, Edwin Stevens
 Stoebe, William Henry
 Stokes, Hugh Bertrand
 Stone, Robert Lee, Jr.
 Sutphin, Arthur Thomas
 Tailer, Peter Lorillard
 Terrell, Ralph P., Jr.
 Thompson, Edwin Spencer
 Thompson, Oscar Mills
 Thompson, Walter Lowry
 Tolles, Clifford Raymond
 Tompkins, Raymond Sidney
 Trundle, James Thomas
 Uhl, Richard Duryea
 Unger, Richard Calvin
 Veeder, Robert Bruce
 Wall, Richard David
 Ward, Frank Fordham
 White, Robert Irvan
 Williams, Edgar Donald, Jr.
 Williams, Robert Calvin
 Willis, Joseph William
 Wilson, J. Richard Hoyle
 Radburn, N. J.
 Durham, N. C.
 Old Hickory, Tenn.
 New Rochelle, N. Y.
 Greenfield, Tenn.
 Dayton, O.
 Washington, D. C.
 Chester, Pa.
 Charlotte, N. C.
 Amsterdam, N. Y.
 Durham, N. C.
 Mineola, N. Y.
 Medina, N. Y.
 High Point, N. C.
 Endicott, N. Y.
 Kenmore, N. Y.
 Glen Ridge, N. J.
 Cranbury, N. J.
 Media, Pa.
 Torrington, Conn.
 Charlotte, N. C.
 Scranton, Pa.
 Clarksdale, Miss.
 Raleigh, N. C.
 Rocky Mount, N. C.
 Erie, Pa.
 Scranton, Pa.
 Paterson, N. J.
 Rockingham, N. C.
 Charlotte, N. C.
 Ft. Myers, Fla.
 Dalton, Mass.
 Coatesville, Pa.
 Pittsburgh, Pa.
 Binghamton, N. Y.
 West Field, N. J.
 Collingdale, Pa.
 Charlotte, N. C.
 Durham, N. C.
 Princeton, N. J.
 Norfolk, Va.
 Camp Gordon, Ga.
 Durham, N. C.
 Rockingham, N. C.
 Bellevue, Pa.
 West Haven, Conn.
 Baltimore, Md.
 Ashton, Md.
 Glenside, Pa.
 Phoenixville, Pa.
 Toms River, N. J.
 Catonsville, Md.
 Montclair, N. J.
 Durham, N. C.
 Durham, N. C.
 Essex, N. C.
 Ft. Lauderdale, Fla.
 Charlotte, N. C.

Wood, Clarence Robert
Woodruff, John Graham

Durham, N. C.
Winston-Salem, N. C.

SOPHOMORE CLASS

Asterisk indicates that the student has not attained full class standing in hours or quality points.

Aitken, Theodore Bird
Andrews, Richard Selby
Bayman, Charles Richard
*Boy, Carl Andrew
Brandon, Guilbert LePage
Brockway, George Lemuel, Jr.
Brorein, William Jacob
Carson, Don Columbus, Jr.
*Cawl, Allen P.
Chapman, John Edward, Jr.
Cone, Larry Bentley
Dackis, William Charles
DerWallis, Jerome Robert
*Dillon, Grover Lee
Dunn, Davis Henry
Edgar, John Roland
Evans, Robert Emmett
Freeze, William R.
Glos, Gardiner Woodward
Grayson, Allan Monroe
Gum, William Brooks
*Gypson, Harold Ellington
Haines, William Richard
Harris, Thomas Camden
Highfill, Gordan Jefferson
Huffman, Paul Douglas
Hutt, Richard
Isenhour, Merle Edwin
Jensen, James Allen
Johnson, Edward Louis
Kaley, Harry E.
King, Wilbur Staunton
Leonard, Robert Payne
Levin, Eugene Milton
Lewis, John Barkley
*Lockhart, David Kelly
Long, Paul E.
*Mann, Frederick L., Jr.
Marshall, Charles Hayward
Mason, Charles Manning
*Massell, Lee Irvin
Maxwell, D. Jack
McClelland, Dean Smucker
*McGary, Malcolm Carroll
McGuire, Neal Warren
McLaughlin, Robert Theodore
Mitchell, Dillard Crittenden, III
Moore, Russell Hobron
Moss, Walter Hamilton
Myers, Charles R.
*Newcomb, Robert Timberlake
Riess, Robert C.

Wyndmoor, Pa.
New Haven, Conn.
N. Charleston, S. C.
Durham, N. C.
Memphis, Tenn.
Durham, N. C.
Tampa, Fla.
Bethel, N. C.
Philadelphia, Pa.
Charlotte, N. C.
Hendersonville, N. C.
Durham, N. C.
Newport, R. I.
Raleigh, N. C.
Ridgewood, N. J.
Coatesville, Pa.
Charlotte, N. C.
Charlotte, N. C.
Tampa, Fla.
Dallas, Tex.
Charleston, W. Va.
Rome, N. Y.
Elizabeth, N. J.
Durham, N. C.
Roanoke, Va.
Thomasville, N. C.
Hammonton, N. J.
Durham, N. C.
Great Neck, L. I., N. Y.
New York, N. Y.
Lancaster, Pa.
Pittsburgh, Pa.
Jersey City, N. J.
Newport News, Va.
Poughkeepsie, N. Y.
Durham, N. C.
Roanoke, Va.
Drexel Hill, Pa.
Washington, D. C.
Durham, N. C.
Miami Beach, Fla.
Johnstown, Pa.
Johnstown, Pa.
Newton, Mass.
Winston-Salem, N. C.
Charlotte, N. C.
Durham, N. C.
Towson, Md.
Montclair, N. J.
Haddonfield, N. J.
Raleigh, N. C.
Detroit, Mich.

- Robbins, Franklin
 Rose, Duke Jack
 Rose, Donald Seymour
 Rose, Russell Albert
 Roy, Harold Edward
 *Rudinoff, Herbert
 Rumbaugh, Frank C.
 Rountree, Albert Converse
 Sanger, Kenneth Edward
 Saunders, Llewellyn C.
 Schneider, Ralph R.
 *Scisco, Robert W.
 Sharkey, Fred Albert
 Solfsburg, Christian
 Speas, Herbert Lee
 Speir, David Ordway
 Sterrett, Donald Hewett
 *Stover, William Page
 Strother, Robert Ed
 Stroupe, Robert Edwin
 Suggs, Jacob Leroy, Jr.
 *Swindell, Herbert A.
 Tilley, Clarence Ray
 Todderud, Charles Grey
 Tope, Donald Robert
 Underwood, Jack Dean
 Vanderline, Frederic
 Venable, Samuel W.
 Vores, Alfred D.
 Walker, Fred M.
 Waters, Charles A., Jr.
 Wilderman, William Davis
 Williams, Claude Bernard
 Williams, John Kerr
 Wolloff, Warren Joseph
 *Yautz, George Steven
 Zwirblis, Walter
- Dundee, N. Y.
 Fort Leonard Wood, Mo.
 Durham, N. C.
 Fort Leonard Wood, Mo.
 Bridgeport, Conn.
 Carney's Point, N. J.
 Burgettstown, Pa.
 Charlotte, N. C.
 New York, N. Y.
 Irvington, N. J.
 Bellaire, N. Y.
 Belmar, N. J.
 Philadelphia, Pa.
 Aurora, Ill.
 High Point, N. C.
 Clearwater, Fla.
 Philadelphia, Pa.
 Charlotte, N. C.
 Franklinton, N. C.
 High Point, N. C.
 Durham, N. C.
 Durham, N. C.
 Durham, N. C.
 Coatesville, Pa.
 Burgettstown, Pa.
 Durham, N. C.
 Rochester, N. Y.
 Durham, N. C.
 Brewster, N. Y.
 Atlanta, Ga.
 Philadelphia, Pa.
 Haddonfield, N. J.
 Durham, N. C.
 Charlotte, N. C.
 Dedham, Mass.
 New York, N. Y.
 Irvington, N. J.

JUNIOR CLASS

Asterisk indicates that the student has not attained full class standing in hours or quality points.

- Bayer, Richard Clyde
 Beary, F. David
 Beer, George
 *Black, William Mock
 Bosco, Mario E.
 Brilhart, Gladdon Loats
 *Brown, Norman MacLeod
 Carlisle, Ben H., Jr.
 Carr, John Weber, III
 Chapman, Walter H.
 Clark, Robert Arthur
 Clark, Stephen Chester, Jr.
 Close, Louis Barnes
 Dacewicz, Leonard Norbert
 DeWitt, William Day
 *Eastman, John R.
 Ehrenfeld, William
 Felton, J. Pat
- Steubenville, O.
 Pittsburgh, Pa.
 Rochester, N. Y.
 Durham, N. C.
 Springfield, O.
 Baltimore, Md.
 Sewickley, Pa.
 Sandusky, O.
 Durham, N. C.
 East Orange, N. J.
 Elizabethton, Tenn.
 High Point, N. C.
 Wadsworth, O.
 Baltimore, Md.
 Richmond, Va.
 Bronxville, N. Y.
 Flemington, N. J.
 Durham, N. C.

French, Charles G.
 Gile, Howard
 *Groome, Bailey Troy
 Gugger, Gerald Robert
 Hardy, William Marion
 Hatley, Marvin Thomas, Jr.
 Heath, William Walter
 Hill, Francis U.
 *Hogarth, Bruce Edward
 Hones, Edward Wheeler
 Jackson, Franklin Rowley
 Johnson, Martin Henry
 Jones, Edwin Lee, Jr.
 Karl, William Wainwright
 Katzenstein, Jack
 Lamb, Christopher
 Lanham, Charles Warren, Jr.
 Lindeberg, Kermit Richard
 *Love, Roderick Milnor, Jr.
 Lyon, Joe T.
 Mapp, Charles A.
 Martin, Vance B.
 *McKeague, Robert Edmond
 Metz, Carl Louis
 Morrison, Edwin Orville
 *Myers, Joe T.
 Nelson, Richard Ellwood
 Newsom, Ernest Edward
 Reamer, Richard D.
 Ritter, James Martin
 *Sales, Thomas David
 Speziale, John Albert
 *Suggs, Jacob Leroy
 Witschen, Bill Dietrich
 *Wood, Robert R.

Clintwood, Va.
 Stoneham, Mass.
 Charlotte, N. C.
 Endwell, N. Y.
 Durham, N. C.
 Albemarle, N. C.
 Atlantic City, N. J.
 Durham, N. C.
 Cheshire, Conn.
 Roscoe, N. Y.
 Charlotte, N. C.
 Warren, Pa.
 Charlotte, N. C.
 Tarrytown, N. Y.
 Shreveport, La.
 Baltimore, Md.
 Poolesville, Md.
 Swissvale, Pa.
 Durham, N. C.
 Durham, N. C.
 Allison Park, Pa.
 Hillsboro, N. C.
 Petersburg, Va.
 Louisville, Ky.
 Arlington, Mass.
 Kent, O.
 Swissvale, Pa.
 Durham, N. C.
 Franklin, Pa.
 Sandusky, O.
 Easton, Pa.
 Torrington, Conn.
 Durham, N. C.
 Jacksonville, Fla.
 Woodhaven, N. Y.

SENIOR CLASS

Asterisk indicates that the student has not attained full class standing in hours or quality points.

Acer, Charles Donald
 *Armour, John
 Barrow, James W.
 Bean, Robert Nelson
 *Boutelle, Lindsay Maynard
 Crofts, Frederic S.
 Crooks, William Davison
 Dodson, Charles Wesley
 *Dorton, Robert Franklin, Jr.
 *Durnell, Robert Scott
 Edens, Carl, Jr.
 Fenimore, John Gibb
 Gingher, Clair Harry, Jr.
 *Grant, Henry M.
 Gullede, Sidney Loy, Jr.
 Hill, Charles Walter
 Hottell, John Robert
 Howe, James Taburn
 Johnson, Daniel Calvin
 Kleinhenz, William A.

Medina, N. Y.
 River Forest, Ill.
 Blackstone, Va.
 Arlington, Va.
 Delmar, N. Y.
 Pittsford, N. Y.
 Williamsport, Pa.
 Harrisburg, Pa.
 Charlotte, N. C.
 Hillsboro, O.
 Rowland, N. C.
 Haddon Heights, N. J.
 Greensboro, N. C.
 Andrews, S. C.
 Albemarle, N. C.
 LaGrange, Ill.
 Dayton, O.
 Durham, N. C.
 Morven, N. C.
 Baltimore, Md.

*Laros, James Andrew, Jr.
 Lynch, Richard James
 Marshall, William C.
 McKinney, Boyd E.
 McMaster, Spencer Rice
 Miller, Thomas D.
 Morgan, Ralph P.
 Morris, Robert C.
 *Ricketts, John Blane
 Rugo, Joseph Francis
 Schlerf, Donald Melvin
 Sherertz, Paul Claiborne
 Stovall, John Reed, Jr.
 Tew, Gilbert W.
 Topham, Keith Landes
 Wagner, Richard Fuller
 Wall, Donald Schnepfe
 Walters, Whitford Frank
 Wetmore, William Hall

Easton, Pa.
 Bloomfield, N. J.
 Mt. Vernon, N. Y.
 Trenton, N. J.
 Winnsboro, S. C.
 New Rochelle, N. Y.
 Durham, N. C.
 Winnetka, Ill.
 Yeadon, Pa.
 Milton, Mass.
 Baltimore, Md.
 Durham, N. C.
 Winston-Salem, N. C.
 Durham, N. C.
 Durham, N. C.
 Scranton, Pa.
 Catonsville, Md.
 Halifax, N. C.
 Washington, D. C.

SPECIAL STUDENTS

Doyle, Rodger Pirnie
 Grayson, Edward
 Hale, John

White Plains, N. Y.
 Harrison, N. J.
 Wilmette, Ill.

THE GRADUATE SCHOOL OF ARTS AND SCIENCES

ACADEMIC YEAR 1942-43

Adams, Joe Taylor	Dallas, Tex.
B.S. (Southern Methodist University), Chemistry.	
Allen, Ruth Couch	Raleigh, N. C.
B.S., A.B. (Meredith College); A.M. (Duke University), English.	
Amore, Salvatore Thomas	Brooklyn, N. Y.
A.B. (Brooklyn College); A.M. (Duke University), Chemistry.	
Auman, Jason Reid	Durham, N. C.
A.B. (University of North Carolina), Education.	
Baker, Maury Davison, Jr.	Richmond, Va.
A.B. (University of Miami); A.M. (Duke University), History.	
Barnes, George Hector	Durham, N. C.
B.Sc.F. (University of Washington); M.S. (University of California), Forestry Economics.	
Barton, Eleanor Phillips	Greensboro, N. C.
A.B. (Woman's College of U. N. C.); A.M. (Columbia University), Zoology.	
Bass, Arnold M.	New York, N. Y.
B.S. (College of the City of New York), Physics, Mathematics, Chemistry.	
Baumgarten, Erwin	Pasadena, Calif.
B.S. (California Institute of Technology), A.M. (University of California at Los Angeles), Chemistry.	
Belais, Margaret	New York, N. Y.
B.S. (University of California), Physiology, Nutrition.	
Best, Albert Hartwell, Jr.	Durham, N. C.
A.B. (Wofford College), Education.	
Bevan, William, Jr.	Wilkes-Barre, Pa.
A.B. (Franklin and Marshall College), Psychology, Zoology.	
Bierman, Josephine Abigail	Washington, D. C.
B.S. (George Washington University), Zoology, Botany, Forestry.	
Binns, Elizabeth Feary	Winter Haven, Fla.
A.B. (Florida Southern College), A.M. (Duke University), English.	

- Bloom, Melvin Sigmund
 B.S. (Furman University), Chemistry, Physics.
- Boas, Mary Elizabeth Layne
 B.S., M.S. (University of Washington), Physics.
- Bollens, Jack Constantinus
 A.B. (College of Wooster), Political Science.
- Bryan, George Cochrane
 A.B. (Williams College), Political Science, Economics.
- Bryan, William Alfred
 A.B. (College of Charleston); A.M. (Duke University), English.
- Buchanan, Edith
 A.B. (Meredith College), English.
- Buell, Jesse Howard
 B.S. (Wesleyan University); M.F. (Yale University), Forestry.
- Bussell, Wilsie Florence
 A.B., A.M. (Duke University), French, Spanish.
- Campbell, Edgar Thomas
 A.B. (University of North Carolina); A.M. (Columbia University), Education.
- Candler, Frances Godfrey
 A.B. (Randolph-Macon Woman's College), History, Sociology.
- Cannon, Margaret Faw
 A.B. (Randolph-Macon Woman's College), History.
- Cates, Clyde Lucius
 A.B. (University of North Carolina), Education.
- Caughey, Mary Gladys
 B.S. (Geneva College); A.M. (Columbia University), Botany.
- Chao, Shih Hui
 A.B. (Fu Jen University); A.M. (Duke University), Sociology.
- Cheng, Philip Peichun
 A.B. (Hangchow Christian University); B.Th. (Nanking Theological Seminary);
 A.M. (University of Southern California), Religion.
- Chesnut, Doris Ray
 B.S. (Farmville State Teachers College), Political Science.
- Christian, Dennis Cole, Jr.
 A.B., A.M. (Duke University), Education.
- Clark, Martha Louise
 B.S. (Sweet Briar College); A.M. (Duke University), Zoology, Botany.
- Coltrane, Doris Hood
 A.B. (Greensboro College), Bacteriology, Zoology.
- Come, Donald Robert
 A.B. (Michigan State College), History, Political Science.
- Cranford, Rosa Draughon
 A.B. (Duke University), Education.
- Crawford, Josephine Drury
 A.B. (Otterbein College), Spanish.
- Deal, Carl Hosea, Jr.
 B.S. (Duke University), Chemistry, Physics.
- Diamond, Stanley Stuart
 A.B. (University of Wichita); A.M. (Haverford College), History.
- Dillinger, George Edward
 B.S. (Ursinus College); B.D. (Central Theological Seminary), Religion.
- DuBose, Samuel Wilds
 A.B. (Davidson College); B.D. (Union Theological Seminary), Religion, Psychology.
- Early, Benjamin Weisiger
 A.B., A.M. (University of Virginia), English.
- Eddy, George Norman
 Th.B. (Gordon College); A.M. (University of New Hampshire); M.Ed. (Springfield College), Sociology.
- Greenville, S. C.
- Durham, N. C.
- Pittsburgh, Pa.
- Durham, N. C.
- Sumter, S. C.
- Cullowhee, N. C.
- Asheville, N. C.
- Durham, N. C.
- Durham, N. C.
- Madison, Ga.
- Durham, N. C.
- Durham, N. C.
- Chester, W. Va.
- Peiping, China
- Nanking, China
- Durham, N. C.
- Durham, N. C.
- Lynchburg, Va.
- Smithfield, N. C.
- Lansing, Mich.
- Durham, N. C.
- Durham, N. C.
- Salisbury, N. C.
- Wichita, Kan.
- Burlington, N. C.
- Hillsboro, N. C.
- Richmond, Va.
- Springfield, Mass.

- Edmeston, Rhoda Christena Blyth, Ontario, Canada
A.B. (University of Denver); A.M., Ph.D. (Boston University), Spanish, History, Sociology.
- Elliott, Flavel Scott Durham, N. C.
A.B. (Dartmouth College); A.M. (University of North Carolina), English.
- Lilis, Ivy Mary Phillips Durham, N. C.
A.B. (East Carolina Teachers College), Education.
- Erickson, John Otto Virginia, Minn.
B.S. (University of Minnesota), Biochemistry, Nutrition, Physiology.
- Farrar, Paul Galloway Durham, N. C.
A.B., A.M. (Duke University), Education.
- Field, Frank Henry Cliffside Park, N. J.
B.S. (Duke University), Chemistry, Physics.
- Frazier, Kathryn Eleanor Haddonfield, N. J.
B.S. (New Jersey State Teachers College at Glassboro), Education, Psychology.
- Freiser, Henry Durham, N. C.
B.S. (College of the City of New York); A.M. (Duke University), Chemistry.
- Frey, Ellen Frances Elberon, N. J.
A.B. (Barnard College); A.M. (Duke University), English.
- Fries, Jean Nevin Chambersburg, Pa.
A.B. (Wilson College), English.
- Gilbert, Alfred Rachels Richmond, Va.
B.S. (University of Richmond), Chemistry, Physics.
- Goodwin, Noma Lee Durham, N. C.
A.B. (Duke University), English.
- Grana, Cesar Soria Lima, Peru
A.B. (University of Lima), History.
- Greenwood, Neva Garner Durham, N. C.
B.M. (Kansas City Conservatory), Education.
- Grubin, Leonard Melvin Newark, N. J.
B.S. (Harvard College); A.M. (Duke University), Zoology.
- Hamrick, Garnet Winchester, Va.
B.S. (Madison College), Sociology.
- Harper, Verne Lester Chevy Chase, Md.
B.S., M.S. (University of California), Forestry.
- Hartley, Hope Carlin Washington, D. C.
A.B. (University of Wisconsin), Botany.
- Henderson, Harold Leroy Oelwein, Iowa
A.B., A.M. (University of Kansas City), History.
- Hertz, Hilda Los Angeles, Calif.
A.B. (Skidmore College), Sociology.
- Hester, Ernest Carrington Durham, N. C.
A.B., A.M. (Duke University), Education.
- Hickey, Robert Louis Johnson City, Tenn.
B.S. (East Tennessee State Teachers College); A.M. (Duke University), English.
- Hixson, Ivy May Augusta, Ga.
A.B. (University of Georgia); A.M. (University of North Carolina), Latin, Greek, Sociology.
- Holub, Fred Franklin Cleveland, O.
B.S. (Adelbert College of Western Reserve University), Chemistry, Physics.
- Huff, Jesse William Jeannette, Pa.
B.S. (University of Pittsburgh), Biochemistry, Physiology, Nutrition.
- Hull, Alma Louise Harrisburg, Pa.
A.B. (Duke University), Education.
- Humphrey, Elizabeth Marie Indianapolis, Ind.
A.B. (Earlham College), Psychology, Sociology.
- Hunter, Annie May Henderson, N. C.
A.B. (Woman's College of U. N. C.); A.M. (Duke University), Education.
- Hunter, Charlotte Elizabeth Decatur, Ga.
A.B. (Agnes Scott College), English.

- Huntley, Arthur Gene
A.B. (Willamette University), Economics, Political Science. Salem, Ore.
- Jackson, Elizabeth Tillett
A.B. (University of Georgia), Education. Durham, N. C.
- Jones, Horace Eugene
A.B. (Wake Forest College), Education. Durham, N. C.
- Jordan, Charles Daniel
A.B. (East Carolina Teachers College); A.M. (George Peabody College), Zoology. Greenville, N. C.
- Kamin, Henry
B.S. (College of the City of New York), Biochemistry, Physiology, Nutrition. Brooklyn, N. Y.
- Kao, Katherine Chun Ch'un
A.B., A.M. (Yenching University), Psychology, Education, Sociology. Peiping, China
- Karr, Mary Frances
B.S. in Ed. (University of Akron), Education, Psychology, Sociology. Akron, O.
- King, Isabella Enfer
A.B. (Mount Holyoke College), Biochemistry, Physiology, Nutrition. Plainfield, N. J.
- Kinsman, Margaret Eleanor
A.B. (MacMurray College), History, Economics. Saybrook, Ill.
- Kittila, Richard Sulo
B.Chem. (University of Minnesota), Chemistry, Physics. Ely, Minn.
- Knight, Walter David, Jr.
A.B. (Middlebury College); A.M. (Duke University), Physics, Mathematics. Newton Centre, Mass.
- Kozlowski, Theodore Thomas
B.S. (Syracuse University); A.M. (Duke University), Forestry. Buffalo, N. Y.
- Lauderdale, Richard Lynn
A.B. (Millsaps College), Economics, Political Science. Jackson, Miss.
- Levine, Robert
A.B., A.M. (Dartmouth College), Chemistry, Physics. East Boston, Mass.
- Lieb, Ruth Marjorie
A.B. (Queens College), English. New York, N. Y.
- Linschitz, Henry
B.S. (College of the City of New York); A.M. (Duke University), Chemistry. New York, N. Y.
- Livingston, Martha Alida Comstock
A.B. (Smith College), Botany. Lynn, Mass.
- Loveland, Clara Olds
A.B. (Wellesley College); A.M. (Columbia University); B.D. (Berkeley Divinity School), Religion. Glendale, O.
- Loving, Grace Evelyn
A.B. (Woman's College of U. N. C.), English, Education. Drakes Branch, Va.
- Luborsky, Lester Bernard
A.B. (Temple University), Psychology, Education, Zoology. Philadelphia, Pa.
- Lyons, Richard Edwin
A.B. (University of Buffalo), Physics, Mathematics. Buffalo, N. Y.
- McAndrew, Florence Helton
A.B. (Mary Baldwin College); A.M. (Northwestern University), Psychology. Chicago, Ill.
- Magalhaes, Hulda
B.S. (New Jersey College for Women); A.M. (Mount Holyoke College), Zoology. Hopewell, N. J.
- Manes, Milton
B.S. (The College of the City of New York), Chemistry, Physics. New York, N. Y.
- Martin, Mary Mercedes
A.B. (Marshall College), Psychology, Education. Huntington, W. Va.
- Massey, Calvin LeRoy
B.S. (Colorado State College); A.M. (Duke University), Forestry. Durham, N. C.
- Maxwell, Ellen Virginia
A.B. (Duke University), History. Comus, Md.
- May, William Henry
A.B., M.Ed. (Duke University), Education. Durham, N. C.
- Meares, Jefferson Sullivan
B.S. (University of South Carolina); M.S. (North Carolina State College), Physics. Raleigh, N. C.

- Medding, Mary Elizabeth
A.B. (University of Chattanooga), French, Spanish. Memphis, Tenn.
- Miller, Vivian Lorelei
A.B. (Brooklyn College), English. Brooklyn, N. Y.
- Miller, William Durell
A.B. in Ed. (University of Florida), History, English. Jacksonville, Fla.
- Morris, Clara Juanita
A.B. (Berea College), Economics, Political Science. Benham, Ky.
- Morrison, Garrett Weir
A.B. (Kansas State Teachers College), Psychology. Joplin, Mo.
- Moser, Harold Eugene
B.S. (Johns Hopkins University); A.M. (Columbia University), Education, Psychology. Frederick, Md.
- Munger, Bernard Vernon
A.B. (Washburn Municipal University); B.D. (Chicago Theological Seminary), Religion, Philosophy. Smith Center, Kan.
- Murray, Ellen Fenton
A.B. (University of St. Andrews); A.M. (University of Georgia), History. East Point, Ga.
- Nau, Walter Theodore
B.D. (Concordia Theological Seminary); A.B. (Guilford College); A.M. (Duke University), French, Spanish. China Grove, N. C.
- Neal, John Washington
A.B., A.M. (Duke University), Education. Durham, N. C.
- Newborg, Barbara Carol
A.B. (Swarthmore College), Zoology, English. New York, N. Y.
- Norris, Marion Pritchard
A.B. (Salem College), English. Durham, N. C.
- Oglesby, Roscoe Ralph
A.B. (Georgetown College); A.M. (University of Virginia), Political Science, History. Lynchburg, Va.
- Parada, Hernan Cobo
B.H. (University of Chile), History. Santiago, Chile
- Parks, Elizabeth Miriam
A.B. (Grinnell College), English. Denver, Colo.
- Patrick, Clarence Hodges
A.B. (Wake Forest College); B.D. (Andover Newton Theological School), Sociology. Durham, N. C.
- Phillips, Preson Peek, Jr.
B.S. (Duke University), Chemistry. Durham, N. C.
- Pirkle, Eva Ann
A.B. (Agnes Scott College), Mathematics, Education. Decatur, Ga.
- Po-Chedley, Donald Stephen
B.S. (Canisius College), Zoology. Buffalo, N. Y.
- Pohl, Marian Evelyn
B.S. (Duke University), Zoology, Chemistry. Trenton, N. J.
- Punyasingh, Krui
B.S. (University of the Philippines); M.S. (Cornell University), Botany. Washington, D. C.
- Ramsay, Charles McKay
A.B. (Berea College); B.D. (Union Theological Seminary), Religion. Gallatin, Tenn.
- Randell, Elisabeth Catherine
B.S., M.B. (University of London), Chemistry, Biochemistry. New York, N. Y.
- Rapoport, Lorence
A.B. (Harvard College), Chemistry. Hartford, Conn.
- Rappeport, Leah Jane
A.B. (Queens College), English. Hollis, N. Y.
- Richards, Claud Henry, Jr.
A.B. (Texas Christian University); A.M. (Duke University), Political Science, Economics. Fort Worth, Tex.
- Rogers, Hollis Jetton
B.S. (Murray State Teachers College); M.S. (University of Kentucky), Botany. Stearns, Ky.

- Ross, William Dee, Jr.
A.B. (Millsaps College), Economics, Political Science. Crystal Springs, Miss.
- Rudisill, Dorus Paul
A.B. (Lenoir-Rhyne College); A.M. (University of South Carolina); B.D. (Southern Seminary); S.T.M. (Hartford Seminary), Religion, Philosophy. Durham, N. C.
- Salley, Claudia Louise
A.B. (University of Tennessee), History, French. Hendersonville, N. C.
- Samuels, Olga Lenore
A.B. (Hunter College), Spanish, French, History. New York, N. Y.
- Saunders, Ernest William
B.S. in R.E., S.T.B. (Boston University), Religion. Durham, N. C.
- Saz, Arthur Kenneth
B.S. (College of the City of New York); A.M. (University of Missouri), Physiology. Corona, N. Y.
- Scarborough, Beula Mayra Phillips
A.B. (American International College); A.M. (Duke University), Zoology. Durham, N. C.
- Scarborough, Henry Baldwin
A.B., A.M. (Duke University), Physics. Durham, N. C.
- Schaedler, Frances Ann Craghead
A.B. (Randolph-Macon Woman's College); A.M. (Duke University), Latin, Greek. Lynchburg, Va.
- Scheraga, Harold Abraham
B.S. (College of the City of New York); A.M. (Duke University), Chemistry, Physics. Brooklyn, N. Y.
- Schneider, Leonard Stanley
A.B., A.M. (Pennsylvania State College), Economics. Pittsburgh, Pa.
- Schultz, Harold
A.B. (Columbia University); A.M. (Duke University), History. Elon College, N. C.
- Shivers, Joseph Clois, Jr.
B.S. (Duke University), Chemistry, Physics. Riverton, N. J.
- Sierichs, William Cornell
B.S. (Duke University), Chemistry, Physics. New York, N. Y.
- Smith, Edwin Studley
B.S. (Furman University), Chemistry. Durham, N. C.
- Soodak, Harry
B.S. (College of the City of New York); A.M. (Columbia University), Physics, Mathematics. Bronx, N. Y.
- Spencer, Ralph Edwin
B.S. (University of Utah), Economics, Political Science. Salt Lake City, Utah
- Stallcup, Mary Jane
B.S. (Duke University); A.B.L.S. (Emory University), Physics, Chemistry, Zoology. St. Petersburg, Fla.
- Starr, Homer Pilgrim
A.B. (The University of the South); B.D. (Virginia Theological Seminary), Religion, Philosophy. Burlington, N. C.
- Steinitz, Joseph Leopold
LL.D. (University of Vienna), Political Science. Durham, N. C.
- Strange, Reuben Turner
A.B. (Wake Forest College), Education. Durham, N. C.
- Strickland, Irma Surovy
A.B., A.M. (Hunter College), Economics. Atlanta, Ga.
- Tarrant, Paul
B.S. (Howard College); M.S. (Purdue University), Chemistry. Durham, N. C.
- Taylor, Donald Labor
B.S., M.S. (Utah State Agricultural College), Sociology. Ephraim, Utah
- Tompson, Reade Yates
B.S. (Brown University), Chemistry. Attleboro, Mass.
- Tope, Charles Wilders
A.B. (Duke University), Physics. Burgettstown, Pa.
- Townsend, Freda Liverant
A.B., A.M. (Duke University), English. York, Pa.

- Turner, Anne Clara Albany, Ga.
A.B. (University of Georgia); A.M. (Duke University), Latin, Greek
- van Voorhis, Robert Henry Rutherford, N. J.
A.B., A.M. (Duke University), Economics.
- Vol. in, Elliot Mt. Pleasant, Pa.
B.S. (Pennsylvania State College), Biochemistry, Chemistry.
- Waggoner, Brooks Milton Stilwell, Okla.
A.B. (University of Arkansas); B.D. (Duke University), Religion.
- Wal er, Nelle Willis Walhalla, S. C.
A.B. (Randolph-Macon Woman's College), History, English.
- Wallace, Lillian Parker Raleigh, N. C.
A.B. (University of Denver); M.S. (North Carolina State College), History.
- Warlick, George Clifton, Jr. Hickory, N. C.
A.B. (Lenoir-Rhyne College), Economics, Political Science.
- Weaver, James Frederick Lemoyne, Pa.
B.S., M.S. (Bucknell University), Education, Psychology.
- Weith, Archie James, Jr. Caldwell, N. J.
A.B., A.M. (Duke University), Chemistry.
- Wellborn, Mary Moss Durham, N. C.
A.B. (Mississippi State College for Women), English.
- Wellwood, Robert William Victoria, B. C., Canada
B.A.Sc. in F.E. (University of British Columbia); M.F. (Duke University), Forestry.
- Werbel, Burton Newark, N. J.
A.B. (New York University); A.M. (Duke University), Chemistry.
- Wiggins, Elizabeth Lewis Holly Hill, S. C.
A.B. (Winthrop College); A.M. (Duke University), English, Philosophy.
- Wimberly, Rosamonde Ramsay Spartanburg, S. C.
A.B., A.M. (University of South Carolina), Sociology.
- Wissow, Lennard Jay Philadelphia, Pa.
B.S. (Pennsylvania State College), Chemistry.
- Woodbridge, Charles Jahleel Salisbury, N. C.
A.B., A.M., Th.B. (Princeton University), Religion.
- Yost, Robert Stanley Pottsville, Pa.
B.S. (Pennsylvania State College), Chemistry.

SUMMER OF 1942; FIRST TERM

- Adams, Katharine Rebecca Rock Hill, S. C.
A.B., A.M. (Winthrop College), Education.
- Adams, Joe Taylor Dallas, Tex.
B.S. (Southern Methodist University), Chemistry.
- Adsit, Lucille Conneaut Lake, Pa.
B.S. (Slippery Rock State Teachers College), Mathematics.
- Ahalt, Paul Edwin Vinton, Va.
A.B. (Roanoke College), Education.
- Amore, Salvatore Thomas Brooklyn, N. Y.
A.B. (Brooklyn College); A.M. (Duke University), Chemistry.
- Anderson, Lucian Dumas Seneca, S. C.
A.B. (Winthrop College), English.
- Arbogast, Grace Kramer Cass, W. Va.
A.B. (Shepherd State Teachers College), Sociology.
- Arbogast, James Kermit Cass, W. Va.
A.B. (Shepherd State Teachers College), Sociology.
- Auld, Floyd William Homer City, Pa.
B.S. (Indiana State Teachers College, Pa.), English.
- Backus, Elbert Leon Clendenin, W. Va.
A.B. (Glenville State Teachers College), Education.
- Backus, Tulsa Eloise Clendenin, W. Va.
A.B. (Glenville State Teachers College), Education.

Baird, Sybil	Birmingham, Ala.
A.B. (Howard College), English.	
Ballagh, Robert Hamilton	Max Meadows, Va.
A.B. (Lynchburg College), Sociology.	
Barfield, Edith Herlong	Miami, Fla.
A.B. (Duke University), Education.	
Baskin, Arthur Bayard	Bishopville, S. C.
B.S. (University of New Mexico), Mathematics.	
Bateman, Eva Mae	Plymouth, N. C.
A.B. (East Carolina Teachers College); M.Ed. (Duke University), Education.	
Bayless, Flora Johnson	Dunbar, W. Va.
A.B. (West Virginia Institute of Technology), Religion.	
Beckerdite, Lucile Evans	Winston-Salem, N. C.
A.B. (Woman's College of the University of North Carolina), Education.	
Bell, Helen Forée	Bluefield, W. Va.
B.S. (West Virginia University), English.	
Bell, Mary Catherine	Macon, Ga.
A.B. (Westhampton College), Spanish.	
Bell, Sara Lou	Deatsville, Ala.
B.S. (University of Alabama), Education, Sociology.	
Benham, Ruth Virginia	St. Petersburg, Fla.
B.S. (Birmingham-Southern College), English, Education.	
Black, Caroline Banks	Charleston, S. C.
A.B. (College of Charleston), History.	
Black, Roland Joseph	Titusville, N. J.
B.S. (Glassboro State Teachers College), Education.	
Blackburn, John Hartley	Anna Maria, Fla.
A.B. (Florida Southern College), Education.	
Boas, Mary Layne	Durham, N. C.
B.S., M.S. (University of Washington), Physics.	
Bond, Wita Avis	Rocky Mount, N. C.
A.B. (East Carolina Teachers College); A.M. (Duke University), Education.	
Boney, Nancy Virginia	Great Falls, S. C.
A.B. (Winthrop College), English.	
Bower, Jean Elizabeth	Blossburg, Pa.
A.B. (Mansfield State Teachers College), Education.	
Brantley, Mabel Ruth	Barnesville, Ga.
B.S. (Georgia State College for Women), English.	
Brokaw, Ruth Wilmina	East Liverpool, O.
A.B. (Marietta College), Mathematics.	
Brooks, Jessie Mae	Wilson, N. C.
A.B. (Meredith College), English.	
Brosius, Magdalene Hershey	Atglen, Pa.
B.S. (Westchester State Teachers College), Education.	
Brosius, Mary Helen	Marion, Va.
A.B. (Mary Washington College), History.	
Brown, Henry Clay, III	Shamrock, Fla.
B.S. (Duke University), Chemistry.	
Browning, Laurence Lonville Eptan	Logan, W. Va.
B.S.A.S. (Illinois Institute of Technology), Education.	
Bullock, Edward Junius	Macon, N. C.
A.B. (Duke University), Education.	
Bulwinkle, Muriel Charlton	Gastonia, N. C.
A.B. (Duke University), English.	
Burdette, Dorothy Nell	Silver Spring, Md.
B.S. (Northwestern University), Education.	
Burkhardt, William Emory	Chesapeake City, Md.
A.B. (Washington College), Education.	

- Burks, Harry Hunter, Jr. Berryville, Va.
A.B. (Shepherd State Teachers College), Education.
- Burnett, Ethel Jones Travelers Rest, S. C.
A.B. (Lander College), Education, Zoology.
- Burnette, Pearl Lucile Grovetown, Ga.
B.S. (University of Georgia), Education.
- Bussell, Wilsie Florence Durham, N. C.
A.B., A.M. (Duke University), Spanish.
- Byrd, James Curtis Boca Grande, Fla.
B.S. (Florida Southern College), Education, Sociology.
- Campbell, Carrie Belle Craig Durham, N. C.
A.B. (Duke University), French.
- Campbell, Edith Laluna Johnson City, Tenn.
B.S. (East Tennessee State Teachers College), Education.
- Carrell, Annie Frances Crossville, Ala.
B.S. (University of Alabama), Education.
- Carter, Fannie Lee Rocky Mount, N. C.
A.B. (Winthrop College), Education.
- Carter, Mary Marjorie Palatka, Fla.
A.B. (Florida State College for Women), Spanish.
- Carter, Maude High Point, N. C.
A.B. (University of Georgia), English.
- Cass, Elizabeth May Harborscreek, Pa.
B.S. (University of Pittsburgh), Education, Economics.
- Chadbourn, Charles Cumston, Jr. Raleigh, N. C.
A.B. (Union University); A.M. (Columbia University), English.
- Chambers, Moreau Browne Congleton Clinton, Miss.
A.B. (Mississippi College), History.
- Chao, Shih Hui Peiping, China
A.B. (Fu Jen University), Sociology.
- Chapman, Mildred Frances Hartford, W. Va.
A.B. (Marshall College), Education.
- Chatfield, Carolyn Lucinda Pleasant View, Ky.
B.S. (Union College), Education.
- Chisman, Margaret Sue Memphis, Tenn.
A.B. (Vanderbilt University), English.
- Chomosh, Katherine Lynn Monessen, Pa.
B.S. (California State Teachers College, Pa.), English, Education.
- Christy, Wayne Herron Pittsburgh, Pa.
A.B. (Westminster College); Th.B. (Pittsburgh-Xenia Theological Seminary), Religion.
- Clayton, Lillian Putnam Mead, Okla.
A.B. (Greenville Woman's College); A.M. (University of Oklahoma), English.
- Cleveland, Opal Jean Ft. Meade, Fla.
A.B. (University of Kentucky), English.
- Coble, Joseph Fillmore Burlington, N. C.
A.B. (High Point College); S.T.B. (Westminster Theological Seminary), Religion, Sociology.
- Cole, Margaret Evelyn Baldwyn, Miss.
A.B. (Mississippi State College for Women), Education.
- Coleman, Virginia Lee Marshall, Va.
B.S. (Farmville State Teachers College), Education.
- Collins, Annie Ethelene Cleveland, Miss.
B.S. (Mississippi Delta State Teachers College), Education.
- Collins, Frances Ethel Meyersdale, Pa.
B.S. (Indiana State Teachers College, Pa.), Education, English.
- Cone, Bonnie Ethel Lodge, S. C.
B.S. (Coker College); A.M. (Duke University), Education, Mathematics.
- Cook, Viola Whitesburg, Ky.
A.B. (Kentucky Wesleyan College), English.

Cooper, John Marvin	Union City, Pa.
A.B. (Pennsylvania State College); A.M. (Duke University), History.	
Cope, Lois Ruth	Canton, Miss.
A.B. (Southeastern Louisiana College), Education.	
Cox, Esther Lee	Goldsboro, N. C.
A.B. (Guilford College), Education.	
Craig, Ellen Jones	Hillsboro, N. C.
A.B. (Greensboro College); A.M. (University of North Carolina), History.	
Craven, Clyde Rober	Charlotte, N. C.
A.B. (Duke University), English.	
Creath, William Fontaine	South Boston, Va.
B.S. (University of Richmond), Education.	
Crenshaw, Pearl Broadway	Van Myck, S. C.
A.B. (Winthrop College), Mathematics.	
Cupp, Eleanor Lurting	Mars, Pa.
A.B. (Geneva College), English.	
Curry, Lois Mae	Charleston, S. C.
A.B. (Westminster College, Pa.), Education.	
Darby, Robert Huntley	Morgantown, W. Va.
A.B., A.M. (West Virginia University), English.	
Darlington, Lacy Neil	Ingram Branch, W. Va.
A.B. (Marshall College), History.	
Davis, Jesse Maxwell	Terre Haute, Ind.
B.S. (Indiana State Teachers College), Zoology.	
Deal, Carl Hosea	Salisbury, N. C.
B.S. (Duke University), Chemistry.	
Dozier, Thelma	Lee's Summit, Mo.
B.S. (Central Missouri State Teachers College), Education.	
Duggins, Clarence Wofford	Durham, N. C.
A.B. (Western Kentucky State Teachers College), Education.	
Duke, Mary Catherine	Bakerton, W. Va.
A.B. (Shepherd State Teachers College), History.	
Early, Benjamin Weisiger	Richmond, Va.
A.B., A.M. (University of Virginia), English.	
Echerd, Eugenia Mae	Taylorsville, N. C.
A.B. (Lenoir-Rhyne College); A.M. (Duke University), Education, Sociology.	
Eddy, George Norman	Springfield, Mass.
Th.B. (Gordon College); A.M. (University of New Hampshire); M.Ed. (Springfield College), Sociology.	
Egerton, Anna Elizabeth	Cameron, N. C.
A.B. (East Carolina Teachers College), Sociology.	
Epstein, Herman Theodore	Portland, Me.
A.B. (University of Michigan), Physics.	
Erickson, John Otto	Virginia, Minn.
B.S. (University of Minnesota), Biochemistry.	
Etzel, William George	Cincinnati, O.
A.B., B.E. (University of Cincinnati), Education.	
Evans, Eunice Ledbetter	Morganton, N. C.
A.B. (Salem College), Sociology.	
Facinoli, Adele	Glasgow, W. Va.
A.B. (New River State College), Education, English.	
Fairchild, Elizabeth Jane	Allentown, Pa.
B.S. (Kutztown State Teachers College), Education.	
Feaster, Martha Virginia	Greenwood, Miss.
B.S. (Mississippi Delta State Teachers College), Education.	
Flanagan, William Leroy	Summit, Ga.
B.S. (South Georgia Teachers College), Education, Sociology.	
Flanders, Horace Marion	Savannah, Ga.
A.B. (University of Georgia), Education.	

- Fletcher, Mary Little Gibson, N. C.
A.B. (Greensboro College); A.M. (Duke University), Education.
- Foor, Audrey Alys Altoona, Pa.
B.A. (Lock Haven State Teachers College), Education.
- Frazier, Kathryn Eleanor Blackwood, N. J.
B.S. (New Jersey State Teachers College, Glassboro), Education.
- Fredericks, Alice Myers Lock Haven, Pa.
B.S. (Lock Haven State Teachers College), Education, English.
- Freiser, Henry New York, N. Y.
B.S. (College of the City of New York); A.M. (Duke University), Chemistry.
- Fultz, Mary Catherine Ararat, Va.
A.B. (Bridgewater College), Education.
- Funk, Mary Elizabeth Columbiana, O.
B.S. (Geneva College), Education.
- Funk, Thorold Shaffer Rowlesburg, W. Va.
A.B. (West Virginia Wesleyan College), Education.
- Garner, William Nelson Bethany, W. Va.
B.S. (Bethany College), Botany.
- Gatlin, Ruth Arrie Grady, Ark.
A.B. (University of Arkansas), Education.
- Gentry, Thomas Oliver Hurdle Mills, N. C.
A.B. (Duke University), Education.
- George, Dorothy Iris Welsh, La.
A.B. (Louisiana State Normal College); A.M. (Louisiana State University), English.
- Gibble, Walter Paul, Jr. Lancaster, Pa.
B.S. (Millersville State Teachers College), Zoology.
- Gibson, Samuel Koonce DuBois, Pa.
B.S. (Gettysburg College), Economics.
- Gilbert, Ruth Caroline Guys Mills, Pa.
B.S. (Edinboro State Teachers College), Education.
- Gilmore, Patricia Mary Brooklyn, N. Y.
A.B. (Smith College); A.M. (Duke University), English.
- Ginther, James Edward North Canton, O.
A.B. (College of Wooster), English.
- Godard, Doris Elizabeth Milledgeville, Ga.
A.B. (Georgia State College for Women), History.
- Gordon, Donald Precourt Miami, Fla.
A.B. (University of Florida), Zoology.
- Grier, Annie Moore Blakely, Ga.
B.S. (Georgia State College for Women), Education, English.
- Griffith, Emily Camilla Durham, N. C.
A.B., A.M. (Duke University), Education.
- Groth, Margaret Elizabeth Chester, Va.
A.B. (West Virginia University), Education.
- Grubin, Leonard Melvin Newark, N. J.
B.S. (Harvard College), Zoology.
- Guito, Anna Shepherd Miami, Fla.
B.A.E. (University of Florida), History, Economics.
- Gundrum, Anna Irene Lancaster, Pa.
B.S. (Millersville State Teachers College), Education.
- Hackett, Eunice Marjorie Lee Secretary, Md.
B.S. (University of Maryland), Education, Sociology.
- Haile, Madeline Louise Heath Springs, S. C.
A.B. (Winthrop College), Education.
- Halliburton, Hilda Smathers Clyde, N. C.
B.S. (Asheville Normal and Teachers College), Education, History.
- Hamrick, Garnet Winchester, Va.
B.S. (Madison College), Sociology, English.

Harbison, James Wesley	Pinehurst, N. C.
A.B. (Duke University), Education, Economics.	
Harris, Adah Lenora	Salem, W. Va.
A.B. (Salem College, W. Va.), Education.	
Hartman, Inez Rebecca	Hixson, Tenn.
A.B. (University of Chattanooga), Spanish.	
Heagy, Dorothy May	York, Pa.
B.S. (Millersville State Teachers College), Education.	
Heape, Rita Polk	Greenville, S. C.
A.B. (Greenville Woman's College of Furman University), Education.	
Hellams, Edith Cornelia	Laurens, S. C.
A.B. (Winthrop College), English.	
Henderson, Florence Madelyn	Bluefield, W. Va.
B.S. (University of North Dakota), Education.	
Herndon, Nannie May	Durham, N. C.
A.B. (Duke University), Sociology.	
Hershey, John Warren	Stony Brook, N. Y.
A.B. (Franklin and Marshall College), English.	
Hill, Cleo Madeline	Mitchells, Va.
B.S. (Farmville State Teachers College), Botany.	
Holcombe, Lena Mae	Fountain Inn, S. C.
A.B. (Limestone College), Education.	
Holman, Harriet R.	Anderson, S. C.
A.B. (Winthrop College); A.M. (University of Michigan), English.	
Holst, Louis Samuel	Marietta, O.
A.B. (Marietta College), Education, Sociology.	
Holzworth, Robert Haviland	Syracuse, N. Y.
A.B. (Syracuse University), Zoology.	
Hook, Kenneth Boyd	Winchester, Va.
A.B. (Elon College), Education.	
Hooper, Charlotte Lucille	Robbinsville, N. C.
A.B. (Meredith College), Education.	
Horton, George Raymond	Locust Valley, N. Y.
B.S. (Rutgers University), Education, Economics.	
Howard, Lula Virginia	Americus, Ga.
A.B. (Georgia State Teachers College), Spanish.	
Hudson, Mary Kathryn	Baltimore, Md.
A.B. (Western Maryland College), Education.	
Huff, Jesse William	Jeannette, Pa.
B.S. (University of Pittsburgh), Biochemistry.	
Hunter, Charlotte Elizabeth	Decatur, Ga.
A.B. (Agnes Scott College), English.	
Huston, Claudia Mae	Birmingham, Ala.
A.B. (Howard College), History.	
Jackson, Elizabeth Grinnan	Norfolk, Va.
A.B., A.M. (College of William and Mary), English.	
Jackson, Geraldine Sherwood	Macon, Ga.
A.B. (Wesleyan College), Spanish.	
Jameson, Mary Margaret	Ellerbe, N. C.
A.B. (Winthrop College), Mathematics.	
Jay, Lemuel Eugene	Claxton, Ga.
B.S. (South Georgia Teachers College), English.	
Johnson, Clyde Alexander	Hinton, W. Va.
A.B. (Concord State Teachers College), Sociology, Education.	
Johnson, Emma Bain	Thomasville, N. C.
A.B. (Duke University), English.	
Johnson, Kathryn Eloise	Glen Burnie, Md.
A.B. (Duke University), Botany.	
Jones, Vivienne Allen	Miami, Fla.
B.S. (Florida State College for Women), Education.	

- Justice, Marian Edythe
B.S. (New Jersey State Teachers College at Glassboro), Education. Pitman, N. J.
- Kamin, Henry
B.S. (College of the City of New York), Biochemistry. Brooklyn, N. Y.
- Kellar, Maynard Herbert
A.B. (Fairmont State Teachers College), Education. Malden, W. Va.
- Kellar, Susan Sterling
B.S. (New York University), Education, English. Malden, W. Va.
- Kendig, Anna Mae
B.S. (Millersville State Teachers College), Education. Conestoga, Pa.
- Kernodle, Jennie Sue
A.B. (Duke University), Education. Durham, N. C.
- Kerr, William Wallace
B.S. (Slippery Rock State Teachers College), Education. Turtle Creek, Pa.
- King, Sara Edna
A.B. (Geneva College), Religion. Beaver Falls, Pa.
- Kiser, Vernon Benjamin
A.B. (Wofford College), Sociology. Bowman, S. C.
- Kittila, Richard Sulo
B.Chem. (University of Minnesota), Chemistry. Ely, Minn.
- Kline, Sarah Frances
A.B. (Wesleyan College), History, Education. Macon, Ga.
- Knight, Mary Roberts
B.S. (Harrisonburg State Teachers College), English. Norfolk, Va.
- Knight, Walter David, Jr.
A.B. (Middlebury College), Mathematics, Physics. Newton Centre, Mass.
- Krebs, Vera
A.B. (Marshall College), Education. St. Albans, W. Va.
- Lang, Cecil
A.B. (Duke University), English. Walstonburg, N. C.
- Law, James Vincent
A.B. (Emory and Henry College), Education, Economics. Ridgeway, Va.
- Leech, Margaret Dell
A.B. (Geneva College), Education, English. Leechburg, Pa.
- Lewis, Nancy Eloise
A.B. (Denison University), English. Canton, O.
- Linschitz, Henry
B.S. (College of the City of New York); A.M. (Duke University), Chemistry. New York, N. Y.
- Lorman, Justine Helen
A.B. (University of Pennsylvania), English. Philadelphia, Pa.
- Loving, Grace Evelyn
A.B. (Woman's College of the University of North Carolina), English. Drakes Branch, Va.
- Lowden, Sarah Warrington
B.S. (New Jersey State Teachers College, Glassboro), Education. Moorestown, N. J.
- Lusk, Mary Sue
B.S. (East Tennessee State Teachers College, Johnson City), Education. Johnson City, Tenn.
- Luttrell, Karl Francis
B.S., A.B. (University of Florida), Education. Brooksville, Fla.
- McCloskey, Barbara Pauline
B.S. (Lock Haven State Teachers College), Education. Flemington, Pa.
- McCollum, Mary Elizabeth
B.S. (Lock Haven State Teachers College), Education. Lock Haven, Pa.
- McCommon, Kathryn Leora
A.B. (Grove City College), English, Education. Volant, Pa.
- McCown, Marietta M.
A.B. (Winthrop College), Education. Anderson, S. C.
- McCurdy, John Albert
B.S. (Rutgers University), Education. Matawan, N. J.

McDonald, Alma Ione A.B. (Mississippi College), Education, Sociology.	Clinton, Miss.
McIntyre, Christine Swank B.S. (California State Teachers College, Pa.), Education, Mathematics.	Monongahela, Pa.
McLaughlin, Margaret Elinor A.B. (Concord State Teachers College), Sociology.	Big Chimney, W. Va.
MacNeill, Doris Elaine B.S. (New Jersey State Teachers College, Glassboro), History, English.	Pennsgrove, N. J.
Madison, Graham Rex A.B. (High Point College), Education.	Cornelius, N. C.
Malcolm, Pearle Malinda A.B. (Alderson-Broadbudds College), Education.	Philippi, W. Va.
Mannello, George, Jr. B.S. (College of the City of New York), Education.	Queens Village, N. Y.
Mannello, Jeannette Domres B.S. (Buffalo State Teachers College), Education.	Queens Village, N. Y.
Marciolo, Rose A.B. (East Carolina Teachers College), English.	Louisburg, N. C.
Marsh, James White A.B. (Duke University), Chemistry.	Monroe, N. C.
Marshall, Harris Andrew A.B. (Furman University), Education.	McColl, S. C.
Martz, Edward Everts A.B. (Duke University), Religion.	Pine Grove Mills, Pa.
Mathias, Ama Avis B.S. (Madison College), Education.	Mathias, W. Va.
Mathias, Audrie Lynn B.S. (Madison College), Education, English.	Mathias, W. Va.
Meaday, Walter Sparks A.B. (College of William and Mary), Economics.	Westwood, N. J.
Merkle, Mildred Olive A.B. (Baldwin-Wallace College), Education.	Parma Heights, O.
Meserve, Bruce Elwyn A.B. (Bates College); A.M. (Duke University), Mathematics.	Portland, Me.
Middleton, Mary A.B. (Woman's College of the University of North Carolina), Education.	Walnut Cove, N. C.
Miller, Sidney Franklin B.S. (The Citadel), Education.	Varnville, S. C.
Mitchell, Edith Myrl A.B. (Tusculum College), History.	Greeneville, Tenn.
Mitchell, Isaac Leonidas A.B. (Berea College), Education.	Alderson, W. Va.
Mitchell, Katherine Hurt A.B. (Martha Washington College), Education.	Johnson City, Tenn.
Molinengo, Alice B.S. (Indiana State Teachers College, Pa.), Education.	Rossiter, Pa.
Montgomery, John Fleshman A.B. (Hampden-Sydney College); A.M. (University of Southern California), Education.	Lewisburg, W. Va.
Moore, Nelle Elizabeth A.B. (Lambuth College), English.	Capleville, Tenn.
Morana, Simon Joseph B.S. (Western Reserve University), Chemistry.	Cleveland, O.
Morgan, Frances Willard A.B. (Georgia State College for Women), English.	Columbus, Ga.
Mowrey, Corma Alice A.B. (Salem College, W. Va.), Education.	Clarksburg, W. Va.
Murchison, Emily Sue A.B. (Woman's College of the University of North Carolina), Spanish.	Rocky Mount, N. C.

- Musgrove, Joseph Elhanan
A.B., B.S., M.S. (Ohio State University), Botany.
- Musgrove, Marice Ann Kersey
B.S., A.B. (Ohio State University), Education.
- Newbern, Mayme Betty
A.B. (Chowan College), Education.
- Newlon, Merle Dwight
A.B. (Alderson-Broadus College), Education.
- Oates, Julia Neagle
A.B. (Woman's College of the University of North Carolina), English.
- Oehler, John Summers
B.S. (Appalachian State Teachers College), Education, Sociology.
- Orr, Emily
A.B. (Wesleyan College), Botany.
- Ouzts, James Byrnes
B.S. (Clemson Agricultural College), Education.
- Packard, Emerson Warren
B.S. (Lock Haven State Teachers College), Education.
- Parker, Anne Elizabeth
A.B. (University of Chattanooga); A.M. (Duke University), Spanish.
- Parker, Edna Earle
A.B. (Florida State College for Women), Education.
- Paschal, Mary Naomi
A.B. (Wesleyan College), Education.
- Paskins, Cloyd Woodrow
B.Ed. (Eastern Illinois State Teachers College), History.
- Patrick, Clarence Hodges
A.B. (Wake Forest College); B.D. (Andover Newton Theological School), Sociology.
- Patten, Ann Virginia
B.S. (New Jersey State Normal School, Glassboro), Botany.
- Patton, Dorothy Jean
A.B. (Geneva College), English.
- Pinnell, Margaret Smoot
A.B. (West Virginia University), Education.
- Pittman, DeWitt Kennieth
A.B. (Duke University), Education.
- Pohl, Anne Louise
B.S. (New Jersey State Teachers College), Sociology.
- Pressly, Eleanor Crockett
A.B. (Erskine College), Mathematics.
- Price, Stella Josey
A.B. (Lenoir-Rhyne College), Religion.
- Prillaman, Mary Jane
B.Ed. (Teachers College of Connecticut), Education.
- Pushard, Gladys Garrett
A.B. (Winthrop College), Mathematics.
- Pyle, Katherine Asenath
A.B. (Pennsylvania College for Women), English.
- Ramsay, Charles McKay
A.B. (Berea College); B.D. (Union Theological Seminary), Religion.
- Rapoport, Lorence
A.B. (Harvard College), Chemistry.
- Rasor, Ellen Frances
A.B. (Winthrop College), Mathematics.
- Ratcliffe, Anne King
B.S. (Mary Washington College), Education.
- Reaves, Florence
A.B. (Sam Houston State Teachers College), English.
- Struthers, O.
Columbus, O.
- Tarboro, N. C.
- Flemington, W. Va.
- Hendersonville, N. C.
- Kannapolis, N. C.
- Macon, Ga.
- Edgefield, S. C.
- Jersey Shore, Pa.
- Chattanooga, Tenn.
- West Palm Beach, Fla.
- Jacksonville, Fla.
- Yankeetown, Fla.
- Greenville, N. C.
- Paulsboro, N. J.
- Beaver Falls, Pa.
- Piedmont, W. Va.
- Laurinburg, N. C.
- Flemington, N. J.
- Greenwood, S. C.
- Hickory, N. C.
- Southern Pines, N. C.
- Laconia, N. H.
- Burgettstown, Pa.
- Gallatin, Tenn.
- Hartford, Conn.
- Cross Hill, S. C.
- Falmouth, Va.
- Livingston, Tex.

- Reed, Cecil Malcolm
 B.S. (College of William and Mary), Education. Check, Va.
- Reed, Frances Louise
 A.B. (Louisiana State Normal College), Education. Lake Providence, La.
- Richards, Claud Henry, Jr.
 A.B. (Texas Christian University); A.M. (Duke University), Political Science. Fort Worth, Tex.
- Richardson, Sarah Evelyn
 A.B. (Woman's College of the University of North Carolina), Education. Clayton, N. C.
- Rickman, Raymond Horatio
 B.S. (College of William and Mary), Education. Critz, Va.
- Rife, Lucille
 B.S. (Millersville State Teachers College), Education. Lancaster, Pa.
- Robinson, James Seward, Jr.
 B.B.A. (Emory University), Education. Tampa, Fla.
- Robinson, Woodrow Wilson
 A.B. (King College), Education. Bristol, Tenn.
- Rodgers, Charles Leland
 B.S. (Furman University), Botany. Tigerville, S. C.
- Rogers, Hollis Jetton
 B.S. (Murray State Teachers College); M.S. (University of Kentucky), Botany. Stearns, Ky.
- Rogers, Maude Fleetwood
 A.B., A.M. (Duke University), Education. Durham, N. C.
- Salley, Claudia Louise
 A.B. (University of Tennessee), History. Hendersonville, N. C.
- Sammons, Elizabeth Rumble
 A.B. (West Liberty State Teachers College), Education. Moundsville, W. Va.
- Sample, Kathleen
 A.B. (John B. Stetson University), Botany. Daytona Beach, Fla.
- Saz, Arthur Kenneth
 B.S. (College of the City of New York); A.M. (University of Missouri), Physiology. Corona, N. Y.
- Scarboro, Louise Bernice
 A.B. (Georgia State College for Women), English. Stillmore, Ga.
- Scheraga, Harold A.
 B.S. (College of the City of New York), Chemistry. Brooklyn, N. Y.
- Schoenberger, Ruth Isobel
 A.B. (Duke University), English. Jenkintown, Pa.
- Scofield, Etoile
 A.B. (Mississippi State College for Women), English. Columbus, Miss.
- Shankle, Carl Edward
 B.S. (Clarion State Teachers College), History, Political Science. Punxsutawney, Pa.
- Sharpe, Elizabeth Alice
 B.S. (University of Virginia), Zoology. Knoxville, Tenn.
- Shaw, Jean Duncan
 B.S. (New Jersey State Teachers College, Glassboro), Education, History. Pitman, N. J.
- Sheaffer, Mildred Grace
 B.S. (Shippensburg State Teachers College), Education. Huntsdale, Pa.
- Shelton, Edith Ella
 B.S. (Asheville College), Education. Marshall, N. C.
- Shenk, Edna Mae
 B.S. (University of Pittsburgh), Education. Erie, Pa.
- Shryock, Mary Katharine
 B.S. (California State Teachers College, Pa.), Education. Wilmore, Pa.
- Shufflebarger, Irma
 B.S. (East Radford State Teachers College), Education. Pulaski, Va.
- Simmons, Pauline Acker
 B.S. (Millersville State Teachers College), Education. Gap, Pa.
- Sinicrope, Gladys Maria
 A.B. (Concord State Teachers College), Zoology. Kimball, W. Va.

- Sinks, Helen Adelaid
B.S. (Miami University), Education. Troy, O.
- Sleichter, Martha Beryl
B.S. (Shippensburg State Teachers College), History. Shippensburg, Pa.
- Smith, Dale Winton
B.S. (Elizabethtown College), Education. Biglerville, Pa.
- Smith, Edwin Studley
B.S. (Furman University), Chemistry. Washington, D. C.
- Smith, Mary Wilson
A.B. (Shepherd State Teachers College), Education. Charles Town, W. Va.
- Smith, Maryan Harley
A.B. (Wesleyan College), English. Dublin, Ga.
- Smith, Ruby Elizabeth
A.B. (Glenville State Teachers College), Education. Clarksburg, W. Va.
- Southerland, Beatrice Carver
A.B. (Duke University), Education. Durham, N. C.
- Spangler, Dorn Odell
A.B. (Westminster College), Sociology. Meadows of Dan, Va.
- Spears, Julius Hubert
A.B. (Mercer University); Th.M. (Southern Baptist Theological Seminary), Religion, Education. Chatham, Va.
- Starnes, Charles Fugate
A.B. (Milligan College), Education. Gate City, Va.
- Stephenson, Lucile Dunn
B.S. (Farmville State Teachers College), Education. Joyner, Va.
- Stockard, Adrian Ebenezer
B.S. (Southwestern), Mathematics, Education. Grenada, Miss.
- Stokes, Silema Lawrence
A.B. (Winthrop College); A.M. (University of North Carolina), Religion. Spartanburg, S. C.
- Stone, Jane Dunn
A.B. (College of William and Mary), Religion. Callaway, Va.
- Strowd, Peggy Anne
A.B. (Duke University), English. Durham, N. C.
- Stull, Martha Louise
B.S. (Shippensburg State Teachers College), Education. Waynesboro, Pa.
- Tabor, Dorothy Hazel
A.B. (Wesleyan College), History. Cordele, Ga.
- Taylor, Ellis Bruce
B.S. (Hobart College); A.M. (Duke University), Education. Picture Rocks, Pa.
- Taylor, James David
B.S. (Wake Forest College), Education. Raleigh, N. C.
- Taylor, Melvin Homes
A.B. (Duke University), Education. Charlotte, N. C.
- Thomas, Nettie Florence
A.B. (Concord State Teachers College), Botany. Oak Hill, W. Va.
- Tolonen, Mildred Helena
B.Ed. (Superior State Teachers College, Wisconsin), Education. Duluth, Minn.
- Tomeny, Rose Nell
A.B. (Loyola University), English. New Orleans, La.
- Tompson, Reade Yates
B.S. (Brown University), Chemistry. Attleboro, Mass.
- Trent, Rosalind Lee
A.B. (Woman's College of the University of North Carolina), Education. Concord Depot, Va.
- Trivette, Ruth Jane Whitman
A.B. (Marshall College), Education. Charleston, W. Va.
- Underwood, Nancy Elizabeth
B.S. (California State Teachers College), Education. Monessen, Pa.
- Usrey, Nancy Emily
A.B. (East Carolina Teachers College), Education. Chadbourne, N. C.

Viser, Janis Marie	Greenville, S. C.
A.B. (Furman University), English.	
Walden, Mary Grace	Macon, Ga.
A.B. (Wesleyan College), Education.	
Walker, Thelma Pauline	Johnson City, Tenn.
B.S. (East Tennessee State Teachers College), Education	
Weathers, Ray Elam	Shelby, N. C.
A.B. (University of North Carolina), Education	
Webb, Callie Bell	Americus, Ga.
A.B. (Georgia State College for Women), English, Spanish.	
Webb, Lester Dell	Sweatman, Miss.
A.B. (Mississippi College), Mathematics.	
Wellman, Helen Louise	Winter Park, Fla.
A.B. (Rollins College), English.	
Werbel, Burton	Newark, N. J.
A.B. (New York University); A. M. (Duke University), Chemistry	
West, Harold Fane	Glasgow, W. Va.
A.B. (Glenville State Teachers College), Education.	
Whitlatch, Lewis Wade	Monongahela, Pa.
B.S. (California State Teachers College, Pa.), History.	
Wiggins, James Wilhelm	Atlanta, Ga.
B.S. (South Georgia Teachers College), Sociology.	
Wiggins, Pauline Evelyn	Birchwood, Tenn.
A.B. (University of Chattanooga), English.	
Wiggins, Samuel Paul	Faceville, Ga.
B.S. (South Georgia Teachers College), Education, Sociology.	
Wiley, Virginia	Lynchburg, Va.
A.B. (Randolph-Macon Woman's College), English.	
Wilhite, Arthur Bolton	Lake Placid, Fla.
A.B. (Erskine College), Education.	
Williams, Eva Jean	Charlotte, N. C.
A.B. (Duke University), English.	
Willits, Esther May	Laureldale, Pa.
B.S. (West Chester State Teachers College), History	
Wilson, Raymond G.	Union City, Tenn.
B.S. (Memphis State Teachers College), Education.	
Wilson, Ulrey Kaulbach	Chattanooga, Tenn.
A.B. (University of Chattanooga), Education.	
Wimberly, Rosamonde Ramsay	Spartanburg, S. C.
A.B., A.M. (University of South Carolina), Sociology, History.	
Wissow, Lennard Jay	Philadelphia, Pa.
B.S. (Pennsylvania State College), Chemistry.	
Wolforth, William	Canton, O.
A.B. (Otterbein College), Education.	
Wylie, Nancy Caroline	Kingsport, Tenn.
A.B. (Winthrop College), English.	
Wyly, Anne Ethel	Lake Providence, La.
A.B. (Louisiana Polytechnic Institute), English.	
Yeomans, Alice Virginia	West Collingswood, N. J.
B.S. (New Jersey State Normal School, Glassboro), Education.	
Young, Worth John	Emory, Va.
B.S. (Emory and Henry College), Physics.	
Zoller, Howard Frederick	East Stroudsburg, Pa.
B.S. (East Stroudsburg State Teachers College), Education.	

SUMMER OF 1942; SECOND TERM

Ahalt, Paul Edwin	Vinton, Va.
A.B. (Roanoke College), Education, Political Science.	

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|---|-----------------------|
| Aimar, Caroline | Charleston, S. C. |
| A.B. (College of Charleston), English. | |
| Anderson, Lucian Dumas | Seneca, S. C. |
| A.B. (Winthrop College), English. | |
| Arbogast, James Kermit | Cass, W. Va. |
| A.B. (Shepherd State Teachers College), Education. | |
| Auld, Floyd William | Homer City, Pa. |
| B.S. (Indiana State Teachers College, Pa.), English. | |
| Backus, Elbert Leon | Clendenin, W. Va. |
| A.B. (Glenville State Teachers College), Education. | |
| Backus, Tulsa Eloise | Clendenin, W. Va. |
| A.B. (Glenville State Teachers College), Education. | |
| Baird, Sybil | Birmingham, Ala. |
| A.B. (Howard College), English. | |
| Ballagh, Amy Ruth | Baldwin, L. I., N. Y. |
| B.S. (Buffalo State Teachers College), Education. | |
| Ballagh, Robert Hamilton | Max Meadows, Va. |
| A.B. (Lynchburg College), Education. | |
| Barfield, Edith Herlong | Miami, Fla. |
| A.B. (Duke University), Education, Sociology. | |
| Barton, Elizabeth Daisy | Fair Lawn, N. J. |
| B.S. (Paterson New Jersey State Teachers College), History, Education. | |
| Barnes, George Hector | Logan, Utah |
| B.S. (University of Washington); M.S. (University of California), Forestry. | |
| Baskin, Arthur Bayard, Jr. | Bishopville, S. C. |
| B.S. (University of New Mexico), Mathematics. | |
| Bayless, Flora Johnson | Dunbar, W. Va. |
| A.B. (West Virginia Institute of Technology), Sociology. | |
| Beckerdite, Lucile Evans | Winston-Salem, N. C. |
| A.B. (Woman's College of the University of North Carolina), Education. | |
| Belais, Margaret | New York, N. Y. |
| B.S. (University of California), Biochemistry. | |
| Bell, Helen Forée | Bluefield, W. Va. |
| B.S. (West Virginia University), English. | |
| Bell, Sara Lou | Deatsville, Ala. |
| B.S. (University of Alabama), Education. | |
| Benham, Ruth Virginia | St. Petersburg, Fla. |
| B.S. (Birmingham-Southern College), English. | |
| Black, Roland Joseph | Titusville, N. J. |
| B.S. (Glassboro State Teachers College), Education. | |
| Bloom, Melvin Sigmund | Greenville, S. C. |
| B.S. (Furman University), Chemistry. | |
| Boney, Nancy Virginia | Great Falls, S. C. |
| A.B. (Winthrop College), English. | |
| Brant, Vincent | Dundalk, Md. |
| B.S. (Washington College), Education. | |
| Brinton, Gerald Slike | New Cumberland, Pa. |
| B.S. (Shippensburg State Teachers College), Education, History. | |
| Brooks, Jessie Mae | Wilson, N. C. |
| A.B. (Meredith College), English. | |
| Brosius, Magdalene Hershey | Atglen, Pa. |
| B.S. (West Chester State Teachers College), Education. | |
| Brosius, Mary Helen | Marion, Va. |
| A.B. (Mary Washington College), History. | |
| Browning, Laurence Lonville Eptan | Logan, W. Va. |
| B.S.A.S. (Illinois Institute of Technology), Education. | |
| Bryan, George Cochrane | Hendersonville, N. C. |
| A.B. (Williams College), Political Science. | |

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|--|----------------------|
| Buller, Laura Eshleman
B.S. (Millersville State Teachers College), English. | Lancaster, Pa. |
| Bullock, Edward Junius
A.B. (Duke University), Education. | Macon, N. C. |
| Bulwinkle, Muriel Charlton
A.B. (Duke University), English. | Gastonia, N. C. |
| Burdette, Dorothy Nell
B.S. (Northwestern University), Education. | Silver Spring, Md. |
| Burkhardt, William Emory
A.B. (Washington College), Education. | Chesapeake City, Md. |
| Burks, Harry Hunter, Jr.
A.B. (Shepherd State Teachers College), Education. | Berryville, Va. |
| Byrd, James Curtis
B.S. (Florida Southern College), Education. | Boca Grande, Fla. |
| Cannon, Margaret Faw
A.B. (Randolph-Macon Woman's College), History. | Durham, N. C. |
| Carson, Mae Jones
A.B. (Woman's College of Furman University), History. | Gaffney, S. C. |
| Carter, Mary Marjorie
A.B. (Florida State College for Women), French. | Palatka, Fla. |
| Carter, Maude
A.B. (University of Georgia), Education. | High Point, N. C. |
| Chadbourne, Charles Cumston, Jr.
A.B. (Union College); A.M. (Columbia University), English. | Raleigh, N. C. |
| Chambers, Moreau Browne Congleton
A.B. (Mississippi College), History, Political Science. | Clinton, Miss. |
| Chao, Shih Hui
A.B. (Fu Jen University), Sociology. | Peiping, China |
| Chapman, Mildred Frances
A.B. (Marshall College), Education. | Hartford, W. Va. |
| Chatfield, Carolyn Lucinda
B.S. (Union College), Education. | Pleasant View, Ky. |
| Chisman, Margaret Sue
A.B. (Vanderbilt University), English. | Memphis, Tenn. |
| Cleveland, Opal Jean
A.B. (University of Kentucky), English. | Ft. Meade, Fla. |
| Cole, Elfrieda Louise
A.B. (Winthrop College); A.M. (Duke University), Education. | Greer, S. C. |
| Cole, Margaret Evelyn
A.B. (Mississippi State College for Women), Zoology. | Baldwyn, Miss. |
| Coleman, Virginia Lee
B.S. (Farmville State Teachers College), Education. | Marshall, Va. |
| Collins, Annie Ethelene
B.S. (Mississippi Delta State Teachers College), Education. | Cleveland, Miss. |
| Cook, Viola
A.B. (Kentucky Wesleyan College), English. | Whitesburg, Ky. |
| Coolidge, Mary
B.S. (Millersville State Teachers College), English. | Lancaster, Pa. |
| Cooper, Frances Harlee
A.B. (Carson-Newman College), History. | Spartanburg, S. C. |
| Cope, Lois Ruth
A.B. (Southeastern Louisiana College), Education. | Canton, Miss. |
| Covington, Philip Stanhope Sheffield
A.B. (Emory University), English. | Capitola, Fla. |
| Craven, Clyde Rober
A.B. (Duke University), English. | Charlotte, N. C. |
| Creath, William Fontaine
B.S. (University of Richmond), Education, Economics. | South Boston, Va. |

- Cupp, Eleanor Lurting
A.B. (Geneva College), English.
- Daniels, Archie Shields
A.B. (Duke University), Education.
- Darlington, Lacy Neil
A.B. (Marshall College), History.
- Davis, Jesse Maxwell
B.S. (Indiana State Teachers College), Zoology.
- Duggins, Clarence Wofford
A.B. (Western Kentucky State Teachers College), Education.
- Duke, Mary Catherine
A.B. (Shepherd State Teachers College), History.
- Echerd, Eugenia Mae
A.B. (Lenoir-Rhyne College); A.M. (Duke University), Education, Sociology.
- Eddy, George Norman
Th.B. (Gordon College); A.M. (University of New Hampshire); M.Ed. (Springfield College), Sociology.
- Etzel, William George
A.B., B.E. (University of Cincinnati), Education.
- Facinoli, Adele
A.B. (New River State College), Education.
- Farne, Doris Aline
B.S. (West Chester State Teachers College), Education.
- Flanagan, William Leroy
B.S. (South Georgia Teachers College), Education.
- Flanders, Horace Marion
A.B. (University of Georgia), Education.
- Foor, Audrey Alys
B.S. (Lock Haven State Teachers College), Education.
- Frazier, Kathryn Eleanor
B.S. (New Jersey State Teachers College, Glassboro), Education.
- Fultz, Mary Catherine
A.B. (Bridgewater College), English.
- Funk, Mary Elizabeth
B.S. (Geneva College), Education.
- Funk, Thorold Shaffer
A.B. (West Virginia Wesleyan College), Education.
- Garner, William Nelson
B.S. (Bethany College), Zoology.
- Gatlin, Ruth Arrie
A.B. (University of Arkansas), Education.
- Gentry, Thomas Oliver
A.B. (Duke University), Education.
- Gilbert, Ruth Caroline
B.S. (Edinboro State Teachers College), Education.
- Ginther, James Edward
A.B. (College of Wooster), English.
- Godard, Doris Elizabeth
A.B. (Georgia State College for Women), History.
- Gordon, Donald Precourt
A.B. (University of Florida), Zoology.
- Gouldman, Louise
A.B. (Mississippi State College for Women), Education.
- Grubin, Leonard Melvin
B.S. (Harvard College), Zoology.
- Guito, Anna Shepherd
B.A.E. (University of Florida), History.
- Gundrum, Anna Irene
B.S. (Millersville State Teachers College), Education.
- Mars, Pa.
- Draper, N. C.
- Ingram Branch, W. Va.
- Terre Haute, Ind.
- Durham, N. C.
- Bakerton, W. Va.
- Taylorsville, N. C.
- Springfield, Mass.
- Cincinnati, O.
- Glasgow, W. Va.
- Allentown, Pa.
- Summit, Ga.
- Savannah, Ga.
- Altoona, Pa.
- Blackwood, N. J.
- Ararat, Va.
- Columbiana, O.
- Rowlesburg, W. Va.
- Bethany, W. Va.
- Grady, Ark.
- Hurdle Mills, N. C.
- Guys Mills, Pa.
- North Canton, O.
- Milledgeville, Ga.
- Miami, Fla.
- Hazlehurst, Miss.
- Newark, N. J.
- Miami, Fla.
- Lancaster, Pa.

- | | |
|--|----------------------|
| Hall, Walter Raymond | Erie, Pa. |
| B.S. (Edinboro State Teachers College), Mathematics. | |
| Halliburton, Hilda Smathers | Clyde, N. C. |
| B.S. (Asheville Normal and Teachers College), Botany, History. | |
| Hamrick, Garnet | Winchester, Va. |
| B.S. (Madison College), Sociology, English. | |
| Haugh, Florence Irma | Pittsburgh, Pa. |
| A.B. (Geneva College), History. | |
| Heape, Rita Polk | Greenville, S. C. |
| A.B. (Greenville Woman's College of Furman University), Education. | |
| Henderson, Florence Madelyn | Bluefield, W. Va. |
| B.S. (University of North Dakota), English. | |
| Hendler, Cornelia Clara | Buffalo, N. Y. |
| B.S. (Buffalo State Teachers College), Education. | |
| Hix, David Neal | Williamston, N. C. |
| A.B. (Duke University), Education. | |
| Hoechst, Eleanor Hurst | Pittsburgh, Pa. |
| B.S. (University of Pittsburgh), Political Science, History. | |
| Holcombe, Lena Mae | Fountain Inn, S. C. |
| A.B. (Limestone College), English. | |
| Holman, Harriet R. | Anderson, S. C. |
| A.B. (Winthrop College); A.M. (University of Michigan), English. | |
| Holst, Louis Samuel | Marietta, O. |
| A.B. (Marietta College), Education. | |
| Holzworth, Robert Haviland | Syracuse, N. Y. |
| A.B. (Syracuse University), Zoology. | |
| Hood, Mallie Roy | Danville, Va. |
| A.B. (Mississippi College), Zoology. | |
| Hook, Kenneth Boyd | Winchester, Va. |
| A.B. (Elon College), Education. | |
| Hooper, Charlotte Lucille | Robbinsville, N. C. |
| A.B. (Meredith College), English. | |
| Horton, George Raymond | Locust Valley, N. Y. |
| B.S. (Rutgers University), Education. | |
| Huff, Jesse William | Jeannette, Pa. |
| B.S. (University of Pittsburgh), Biochemistry. | |
| Hunter, Charlotte Elizabeth | Decatur, Ga. |
| A.B. (Agnes Scott College), English. | |
| Huston, Claudia Mae | Birmingham, Ala. |
| A.B. (Howard College), History. | |
| Johnson, Emma Bain | Thomasville, N. C. |
| A.B. (Duke University), English, Education. | |
| Johnson, Kathryn Eloise | Glen Burnie, Md. |
| A.B. (Duke University), Botany. | |
| Jones, David D. | Moore's Store, Va. |
| B.S. (Madison College), Education. | |
| Kamin, Henry | Brooklyn, N. Y. |
| B.S. (College of the City of New York), Biochemistry. | |
| Karr, Mary Frances | Akron, O. |
| B.S. (University of Akron), Education, Sociology. | |
| Katz, Joseph | Brooklyn, N. Y. |
| A.B. (Duke University), History. | |
| Kendig, Anna Mae | Conestoga, Pa. |
| B.S. (Millersville State Teachers College), Education. | |
| King, Sara Edna | Beaver Falls, Pa. |
| A.B. (Geneva College), Religion. | |
| Knight, Mary Roberts | Norfolk, Va. |
| B.S. (Harrisonburg State Teachers College), English. | |

- Knight, Walter David, Jr.
A.B. (Middlebury College), Physics. Newton Centre, Mass.
- Lander, Edward Harry, Jr.
A.B. (Elizabethtown College), Sociology. Strasburg, Pa.
- Law, James Vincent
A.B. (Emory and Henry College), Education. Ridgeway, Va.
- Leech, Margaret Dell
A.B. (Geneva College), French. Leechburg, Pa.
- Lewis, Nancy Eloise
A.B. (Denison University), English. Canton, O.
- Lisle, Edith Elizabeth
A.B. (Duke University), Education. Atlanta, Ga.
- Long, Lois Pearl
B.S. (Lock Haven State Teachers College), Education, English. Altoona, Pa.
- Lorman, Justine Helen
A.B. (University of Pennsylvania), English. Philadelphia, Pa.
- Loving, Grace Evelyn
A.B. (Woman's College of the University of North Carolina), English. Drakes Branch, Va.
- McBride, Ray Pursel, Jr.
B.S. (Bloomsburg State Teachers College), Education, Economics. Berwick, Pa.
- McCown, Marietta M.
A.B. (Winthrop College), Education. Anderson, S. C.
- McCurdy, John Albert
B.S. (Rutgers University), Education, History. Matawan, N. J.
- McLaughlin, Margaret Elinor
A.B. (Concord State Teachers College), Political Science. Big Chimney, W. Va.
- MacNeill, Doris Elaine
B.S. (New Jersey State Teachers College, Glassboro), English, Education. Pennsgrove, N. J.
- Madison, Graham Rex
A.B. (High Point College), Education. Cornelius, N. C.
- Malcolm, Pearl Malinda
A.B. (Alderson-Broadus College), Education. Philippi, W. Va.
- Malone, Thomas Patrick
A.B. (Duke University), Sociology. Durham, N. C.
- Mannello, George, Jr.
B.S. (College of the City of New York), Education. Queens Village, N. Y.
- Mannello, Jeannette Domres
B.S. (Buffalo State Teachers College), Education. Queens Village, N. Y.
- Martin, Charlotte May
B.S. (University of Pennsylvania), Botany. Haddonfield, N. J.
- Martin, Howell Calhoun
B.S. (Georgia Teachers College), Education. Jesup, Ga.
- Mathias, Ama Avis
B.S. (Madison College), Education. Mathias, W. Va.
- Mathias, Audrie Lynn
B.S. (Madison College), Education. Mathias, W. Va.
- Merkle, Mildred Olive
A.B. (Baldwin Wallace College), Education, History. Parma Heights, O.
- Middleton, Mary
A.B. (Woman's College of the University of North Carolina), Education. Walnut Cove, N. C.
- Mitchell, Edith Myrl
A.B. (Tusculum College), Political Science. Greeneville, Tenn.
- Mitchell, Isaac Leonidas
A.B. (Berea College), Education. Alderson, W. Va.
- Molinengo, Alice
B.S. (Indiana State Teachers College, Pa.), English. Rossiter, Pa.
- Moore, Bruce Lipscomb
A.B. (Coker College), English. Columbia, S. C.

Moore, Nelle Elizabeth A.B. (Lambuth College), English.	Capleville, Tenn.
Mowrey, Corma Alice A.B. (Salem College, W. Va.), Education.	Clarksburg, W. Va.
Musgrove, Joseph Elhanan A.B., B.S., M.S. (Ohio State University), Education	Struthers, O.
Newbern, Mayme Betty A.B. (Chowan College), Education.	Tarboro, N. C.
Newborg, Barbara Carol A.B. (Swarthmore College), Chemistry.	New York, N. Y.
Newlon, Merle Dwight A.B. (Alderson-Broadus College), Education.	Flemington, W. Va.
Noblitt, Harding Coolidge A.B. (Berea College), Political Science.	Marion, N. C.
Oates, Julia Neagle A.B. (Woman's College of the University of North Carolina), English.	Hendersonville, N. C.
Oehler, John Summers B.S. (Appalachian State Teachers College), Education.	Kannapolis, N. C.
Oliver, Myra Lee A.B. (Milligan College), History.	Piney Flats, Tenn.
O'Mara, Margaret Theresa B.S. (New Jersey State Teachers College, Newark), Education.	Millburn, N. J.
Opp, Arthur Wellington A.B. (New Jersey State Teachers College, Upper	Radburn, Fairlawn, N. J. Montclair), Education.
Orr, Emily A.B. (Wesleyan College), Zoology.	Macon, Ga.
Parker, Edna Earle A.B. (Florida State College for Women), Education, Sociology.	West Palm Beach, Fla.
Paschal, Mary Naomi A.B. (Wesleyan College), Education.	Jacksonville, Fla.
Paskins, Cloyd Woodrow B.Ed. (Eastern Illinois State Teachers College), History.	Yankeetown, Fla.
Patton, Dorothy Jean A.B. (Geneva College), English.	Beaver Falls, Pa.
Peebles, Robert Bruce A.B., B.S. (Kent State University), English.	Cuyahoga Falls, O.
Pinnell, Margaret Smoot A.B. (West Virginia University), Education.	Piedmont, W. Va.
Pittman, DeWitt Kennieth A.B. (Duke University), Education.	Laurinburg, N. C.
Pohl, Anne Louise B.S. (New Jersey State Teachers College), Sociology.	Flemington, N. J.
Pressly, Eleanor Crockett A.B. (Erskine College), Mathematics.	Greenwood, S. C.
Prillaman, Mary Jane B.Ed. (Teachers College of Connecticut), Education.	Southern Pines, N. C.
Purcell, Ralph Elliott A.B. (Florida Southern College); A.M. (Duke University), English.	Lakeland, Fla.
Pushard, Gladys Garrett A.B. (Winthrop College), Mathematics.	Laconia, N. H.
Pyle, Katherine Asenath A.B. (Pennsylvania College for Women), English.	Burgettstown, Pa.
Rasor, Ellen Frances A.B. (Winthrop College), Mathematics.	Cross Hill, S. C.
Reed, Cecil Malcom B.S. (College of William and Mary), Education.	Check, Va.
Reed, Frances Louise A.B. (Louisiana State Normal College), Education.	Lake Providence, La.

- Richards, Claud Henry, Jr.
A.B. (Texas Christian University); A.M. (Duke University), Political Science.
Fort Worth, Tex.
- Richardson, Sarah Evelyn
A.B. (Woman's College of the University of North Carolina), Education.
Clayton, N. C.
- Rickman, Raymond Horatio
B.S. (College of William and Mary), Education.
Critz, Va.
- Robinson, James Seward, Jr.
B.B.A. (Emory University), Education.
Tampa, Fla.
- Robinson, Woodrow Wilson
A.B. (King College), Education.
Bristol, Tenn.
- Rodgers, Charles Leland
B.S. (Furman University), Botany.
Tigerville, S. C.
- Rogers, Hollis Jetton
B.S. (Murray State Teachers College); M.S. (University of Kentucky), Botany.
Stearns, Ky.
- Salley, Claudia Louise
A.B. (University of Tennessee), History, French.
Hendersonville, N. C.
- Salter, Harriet May
A.B. (Dickinson College), History.
Altoona, Pa.
- Sammons, Elizabeth Rumble
A.B. (West Liberty State Teachers College), Education.
Moundsville, W. Va.
- Sample, Kathleen
A.B. (John B. Stetson University), Botany.
Daytona Beach, Fla.
- Sams, Alma Frances
A.B. (Eastern Kentucky State Teachers College), English.
Irvine, Ky.
- Sanborn, Helen Clara Geffcken
B.S. (Florida State College for Women), Education.
Jacksonville, Fla.
- Saz, Arthur Kenneth
B.S. (College of the City of New York); A.M. (University of Missouri), Physiology.
Corona, N. Y.
- Scarboro, Louise Bernice
A.B. (Georgia State College for Women), English.
Stillmore, Ga.
- Scofield, Etoile
A.B. (Mississippi State College for Women), English.
Columbus, Miss.
- Scott, Bernice Murray
B.S. (University of Cincinnati), Education.
Dayton, O.
- Sharpe, Elizabeth Alice
B.S. (University of Virginia), Zoology.
Knoxville, Tenn.
- Shaw, Jean Duncan
B.S. (New Jersey State Teachers College, Glassboro), Education, History.
Pitman, N. J.
- Shryock, Mary Katharine
B.S. (California State Teachers College, Pa.), Education.
Wilmore, Pa.
- Shufflebarger, Irma Frances
B.S. (East Radford State Teachers College), Education.
Pulaski, Va.
- Simmons, Alma Julia
A.B. (Ohio Wesleyan University); A.M. (Duke University), Education.
Leesburg, O.
- Sinks, Helen Adalaid
B.S. (Miami University), Education, English.
Troy, O.
- Sites, Thelma Wilson
B.S. (Madison College), English.
Dayton, Va.
- Sleichter, Martha Beryl
B.S. (Shippensburg State Teachers College), History.
Shippensburg, Pa.
- Smith, Mary Wilson
A.B. (Shepherd State Teachers College), Education.
Charles Town, W. Va.
- Spears, Julius Hubert
A.B. (Mercer University); Th.M. (Southern Baptist Theological Seminary), Religion.
Chatham, Va.
- Starnes, Charles Fugate
A.B. (Milligan College), Education.
Gate City, Va.
- Stephenson, Lucile Dunn
B.S. (Farmville State Teachers College), Sociology.
Joyner, Va.

Stockard, Adrian Ebenezer	Grenada, Miss.
B.S. (Southwestern), Mathematics.	
Storch, Margaret Rees	Catasauqua, Pa.
A.B. (Cedar Crest College), Sociology.	
Struckman, Dorothea Loveta	Summit, N. J.
B.S. (New Jersey State Teachers College, Newark), Education.	
Stull, Martha Louise	Waynesboro, Pa.
B.S. (Shippensburg State Teachers College), Education.	
Tabor, Dorothy Hazel	Cordele, Ga.
A.B. (Wesleyan College), History.	
Taylor, Elma Louise Randall	Daytona Beach, Fla.
A.B. (John B. Stetson University), Botany.	
Taylor, James David	Raleigh, N. C.
B.S. (Wake Forest College), Education.	
Taylor, Melvin Holmes	Charlotte, N. C.
A.B. (Duke University), Education.	
Thomas, Nettie Florence	Oak Hill, W. Va.
A.B. (Concord State Teachers College), Botany.	
Thompson, Kay Ogilvie	Miami, Fla.
B.S. (University of Miami), English.	
Tolonen, Mildred Helena	Duluth, Minn.
B.Ed. (Superior State Teachers College, Wisconsin), English.	
Tomeny, Rose Nell	New Orleans, La.
A.B. (Loyola University), English.	
Trivette, Ruth Jane Whitman	Charleston, W. Va.
A.B. (Marshall College), Education.	
Tuck, Lillian Pearl	Virgilina, Va.
Ph.B. (Elon College), Education, History.	
Usrey, Nancy Emily	Chadbourn, N. C.
A.B. (East Carolina Teachers College), Education, English.	
Viser, Janis Marie	Greenville, S. C.
A.B. (Furman University), English.	
Waggoner, Brooks Milton	Stilwell, Okla.
A.B. (University of Arkansas); B.D. (Duke University), Religion.	
Walker, Nelle Willis	Walhalla, S. C.
A.B. (Randolph-Macon Woman's College), History.	
Walker, Thelma Pauline	Johnson City, Tenn.
B.S. (East Tennessee State Teachers College), Education.	
Weathers, Ray Elam	Shelby, N. C.
A.B. (University of North Carolina), Education.	
Webb, Lester Dell	Sweatman, Miss.
A.B. (Mississippi College), Education.	
Wellman, Helen Louise	Winter Park, Fla.
A.B. (Rollins College), English.	
Wellwood, Robert William	Victoria, B. C., Canada
A.B. (University of British Columbia); M.F. (Duke University), Forestry.	
Wiggins, Pauline Evelyn	Birchwood, Tenn.
A.B. (University of Chattanooga), English.	
Wiggins, Samuel Paul	Faceville, Ga.
B.S. (South Georgia Teachers College), Education.	
Willits, Esther May	Laureldale, Pa.
B.S. (West Chester State Teachers College), Political Science.	
Wilson, Ulrey Kaulbach	Chattanooga, Tenn.
A.B. (University of Chattanooga), Education.	
Wissow, Lennard Jay	Philadelphia, Pa.
B.S. (Pennsylvania State College), Physics.	
Wolfarth, William	Canton, O.
A.B. (Otterbein College), Education.	

Wylie, Nancy Caroline	Kingsport, Tenn.
A.B. (Winthrop College), English.	
Wyly, Anne Ethel	Lake Providence, La.
A.B. (Louisiana Polytechnic Institute), English.	
Yeomans, Alice Virginia	West Collingswood, N. J.
B.S. (New Jersey State Normal School, Glassboro), Education, English.	
Young, Worth John	Emory, Va.
B.S. (Emory and Henry College), Physics.	

THE DIVINITY SCHOOL

SENIOR YEAR

Andrews, Joseph Russell	Forest, Va.
A.B., Wofford College, 1939.	
Beard, John S.	St. Louis, Mo.
A.B., Central College, 1940.	
Benson, Clark William	Salisbury, N. C.
A.B., Wofford College, 1940.	
Boone, Sidney Grant	Nashville, N. C.
A.B., Duke University, 1934.	
Brown, Byron Roy	Sioux City, Iowa
A.B., Morningside College, 1940.	
Cagle, John Frank	Greensboro, N. C.
A.B., High Point College, 1940.	
Carroll, Howard	Easton, Md.
A.B., University of Richmond, 1938.	
Carruth, Paul	Laurinburg, N. C.
B.S., Millsaps College, 1939.	
Carter, James Edwin	Danville, Va.
B.S., Appalachian State Teachers College, 1940.	
Caviness, Woodrow Darlington	Siler City, N. C.
A.B., Wofford College, 1940.	
Cooper, Joel Aubrey	Paragould, Ark.
A.B., Hendrix College, 1940.	
Cravens, Byron Clay	Marianna, Ark.
A.B., Hendrix College, 1940.	
Crutchfield, Gilbert Wesley	Sanford, N. C.
A.B., Asbury College, 1940.	
Culbreth, George Bernice	Chapel Hill, N. C.
A.B., Duke University, 1940	
Davis, William Dixon	Summerville, S. C.
A.B., University of South Carolina, 1939.	
DuBose, Robert Newsom	Florence, S. C.
A.B., Wofford College, 1936.	
Edwards, William Alpheus	Courtland, Va.
A.B., Randolph-Macon College, 1940.	
Francisco, Ross	Bluefield, W. Va.
A.B., Emory and Henry College, 1940.	
Galloway, Benedict Atkins	Zachary, La.
A.B., Louisiana State University, 1938.	
Glenn, Henry Clarence, III	Durham, N. C.
A.B., Duke University, 1938.	
Hilbert, John Cassell	Catonsville, Md.
A.B., Dickinson College, 1940.	
Ingram, Osmond Kelly	Wilmington, N. C.
A.B., Birmingham-Southern College, 1940.	
Jordan, John Sharpe	Mt. Airy, N. C.
A.B., Duke University, 1940.	

- Judy, Carl Wesley
A.B., Morris Harvey College, 1940.
- Kesler, Robert Harris
A.B., Randolph-Macon College, 1940.
- Lynch, George Ernest, Jr.
A.B., Duke University, 1934.
- McCoy, Lewistine Martin
A.B., Kentucky Wesleyan College, 1940.
- McKenry, John Archibald, Jr.
A.B., Fairmont State Teachers College, 1940.
- Mackay, Donald Mason
A.B., Emory University, 1938.
- Major, James Edward
A.B., Hendrix College, 1940.
- Medlin, William Tracy, Jr.
A.B., Wofford College, 1940.
- Mercer, Charles Henry
A.B., Wofford College, 1940.
- Merchant, James William
A.B., Randolph-Macon College, 1940.
- Miller, Gilbert Shelly
A.B., Lenoir-Rhyne College, 1940.
- Patten, Brooks
A.B., University of North Carolina, 1939.
- Powell, John James
A.B., Lenoir-Rhyne College, 1939.
- Rainwater, Roland William, Jr.
A.B., Wofford College, 1940.
- Reed, Ralph Lee
A.B., Emory University, 1940.
- Rice, John Edward
B.S., Florida Southern College, 1940.
- Ruckman, Lee Van, Jr.
A.B., Emory and Henry College, 1940.
- Shackford, Joseph Temple
A.B., Duke University, 1934.
- Smith, Aubert Marlyn
A.B., High Point College, 1935.
- Steele, Chester Raymond
A.B., Centenary College, 1940.
- Stone, Joseph Lesley
A.B., William and Mary College, 1939.
- Stubbs, David Leon, Jr.
A.B., Duke University, 1940.
- Sturtevant, William Lyons
A.B., Randolph-Macon College, 1939.
- Thumm, Milford Vernon
A.B., Morris Harvey College, 1940.
- Wellons, Albert Wilson
A.B., Lenoir-Rhyne College, 1940.
- Wheeler, Kermit R.
A.B., Atlantic Christian College, 1939.
- Whitesel, John Asbury
A.B., Randolph-Macon College, 1940.
- Charleston, W. Va.
- Roanoke, Va.
- Portland, Me.
- Lexington, Ky.
- Cartersville, Va.
- Atlanta, Ga.
- Little Rock, Ark.
- Charlotte, N. C.
- Lumberton, N. C.
- Kearneysville, W. Va.
- Statesville, N. C.
- Louisburg, N. C.
- Reidsville, N. C.
- Roberdell, N. C.
- Monroe, N. C.
- Fort Smith, Ark.
- Lexington, Va.
- Winston-Salem, N. C.
- Kannapolis, N. C.
- Huntington, Tex.
- Martinsville, Va.
- Aurora, N. C.
- Portsmouth, Va.
- Charleston, W. Va.
- Wilkesboro, N. C.
- Rougemont, N. C.
- Washington, D. C.

MIDDLE YEAR

- Albright, William Edward
A.B., Emory and Henry College, 1941.
- Bluefield, W. Va.

- Bame, Robert Lee
A.B., Wofford College, 1941.
- Bell, Roy Edison
A.B., Catawba College, 1941.
- Boggs, Charles Marvin
A.B., Wofford College, 1941.
- Byrum, Roy Delbert
A.B., High Point College, 1941.
- Carlton, Arthur McCoy
A.B., Birmingham-Southern College, 1941.
- Chaffin, James Claude
A.B., Duke University, 1941.
- Conyers, David Paxton
A.B., Hendrix College, 1941.
- Cummins, Paul Kinsey, Jr.
A.B., Western Maryland College, 1941.
- England, Arthur Leamon
A.B., University of Kansas City, 1941.
- Evans, Robert Weldon
A.B., Hendrix College, 1941.
- Fleming, Murry Douglas
A.B., Southern Methodist University, 1941.
- Ford, Jesse Emerson, Jr.
A.B., Wofford College, 1941.
- Gregory, Walter Bryan
A.B., High Point College, 1942.
- Hendrix, Major Clyde
A.B., University of South Carolina, 1941.
- Hornbuckle, James Pinkney, Jr.
A.B., Lenoir-Rhyne College, 1941.
- John, Ralph Candler
A.B., Berea College, 1941.
- Jones, George Wesley
A.B., Randolph-Macon College, 1941.
- Kennedy, Arthur Cicero, Jr.
A.B., High Point College, 1941.
- Knight, James Allen
A.B., Wofford College, 1941.
- McDonald, Thaddeus LeVerne
B.S., Birmingham-Southern College, 1941.
- McGuire, Douglas Lyons
A.B., Louisiana Polytechnic Institute, 1941.
- McLain, Robert Wayne
A.B., Berea College, 1941.
- Mitchell, Charles Maness
A.B., Duke University, 1941.
- Moore, Jack Warren
A.B., Olivet College, 1934.
- Musser, Benjamin Franklin
A.B., Hendrix College, 1941.
- Needham, George Harlan
A.B., High Point College, 1941.
- Pannill, Harry Burnell
A.B., Randolph-Macon College, 1941.
- Patterson, Howard Carlton
A.B., University of North Carolina, 1941.
- Phifer, Ernest Carl
A.B., Stephen F. Austin State Teachers College, 1940.
- Carolina Beach, N. C.
- Spencer, N. C.
- Salisbury, N. C.
- Charlotte, N. C.
- Montgomery, Ala.
- Jonesboro, N. C.
- Sidney, Ark.
- Washington, D. C.
- Livingston, Ala.
- Batesville, Ark.
- Gainesville, Tex.
- Orangeburg, S. C.
- Angier, N. C.
- West Columbia, S. C.
- Seagrove, N. C.
- Parkersburg, W. Va.
- Norfolk, Va.
- Midland, N. C.
- St. George, S. C.
- Gadsden, Ala.
- Arcadia, La.
- Statesville, N. C.
- Buies Creek, N. C.
- Greensboro, N. C.
- Savannah, Ga.
- High Point, N. C.
- Waynesboro, Va.
- Burlington, N. C.
- Leona, Tex.

Pitts, Howard Stillwell
 A.B., Texas College of Mines, 1941.
 Preston, Norman G., Jr.
 B.S., Louisiana State University, 1940.
 Register, Kenneth Davis
 A.B., Elon College, 1941.
 Rock, William Alfred, Jr.
 A.B., Wofford College, 1941.
 Royals, Worth Burton
 A.B., High Point College, 1941.
 Stevenson, Linwood Jennings
 A.B., Emory and Henry College, 1941.
 Vereen, LaFon Carpenter
 B.S., Clemson College, 1941.
 Wagoner, Rupert Gilmer
 A.B., High Point College, 1939.
 Ware, Lee Wilson
 A.B., Hendrix College, 1942.

Salt Lake City, Utah
 Shreveport, La.
 Burlington, N. C.
 Lewisville, N. C.
 Trinity, N. C.
 Montross, Va.
 Latta, S. C.
 Greensboro, N. C.
 Springdale, Ark.

JUNIOR YEAR

Bailey, Ulysses Grant
 A.B., Emory and Henry College, 1943.
 Beal, Paul R.
 A.B., Morris Harvey College, 1942.
 Belcher, Arnold Dwane
 A.B., Emory and Henry College, 1942.
 Blake, Frank William
 A.B., West Virginia Wesleyan College, 1942.
 Booth, Robert Irvin
 A.B., University of Richmond, 1932.
 Brinson, John Clinton
 A.B., Kentucky Wesleyan College, 1942.
 Broadhead, Edward Hall
 A.B., Denison University, 1931;
 A.M., Duke University, 1933;
 M.Mus., University of Michigan, 1939.
 Clodfelter, Roby Clyde
 B.S., High Point College, 1942.
 Cooke, Jack Homer
 A.B., Lenoir-Rhyne College, 1942.
 Dalton, George Willie
 A.B., High Point College, 1943.
 Dennis, Paul Martin
 A.B., Wake Forest College, 1943.
 Ehlhardt, George Brinkmann
 A.B., John B. Stetson University, 1938.
 Elliott, Mahlon Hamlet
 A.B., Asbury College, 1942.
 Everett, Caleb Roy, Jr.
 A.B., Randolph-Macon College, 1942.
 Forshee, James Woodrow
 A.B., Birmingham-Southern College, 1942.
 Fridley, Robert Daniel
 A.B., Randolph-Macon College, 1942.
 Fuqua, Robert Meek
 A.B., Duke University, 1943.
 Greene, Franklin William
 A.B., Baker University, 1942.

McComas, W. Va.
 Glenville, W. Va.
 Hinton, W. Va.
 Milton, W. Va.
 Danville, Va.
 Owensboro, Ky.
 Durham, N. C.
 Wallburg, N. C.
 Maiden, N. C.
 Lewisville, N. C.
 Mt. Gilead, N. C.
 St. Louis, Mo.
 Danville, Va.
 Newsoms, Va.
 Sylacauga, Ala.
 Elkton, Va.
 Bluefield, W. Va.
 St. Louis, Mo.

- Gross, Dawyer Dincoff
A.B., Wake Forest College, 1942.
- Hager, Parker Holmes
A.B., High Point College, 1942.
- Hamm, John Madison
A.B., High Point College, 1942.
- Hogg, William Richey
A.B., Duke University, 1943.
- Jackson, Lester Polk, Jr.
A.B., Texas College of Mines, 1942.
- Jolly, Joseph Ralph
A.B., Birmingham-Southern College, 1942.
- Jones, Haniel
A.B., Millsaps College, 1942.
- Jones, Murray Hughlon
A.B., Teachers College of Kansas City, 1942.
- Kimball, John Ross
A.B., Lynchburg College, 1942.
- Lowder, John Albert
A.B., High Point College, 1942.
- McCarver, Clyde Gay
A.B., University of Georgia, 1942.
- McRee, Napoleon Barnett
A.B., Kentucky Wesleyan College, 1942.
- Oates, Wayne
A.B., Wake Forest College, 1940.
- Perry, Charles Streamburg
A.B., Kentucky Wesleyan College, 1942.
- Polk, Charles
A.B., Wofford College, 1942.
- Purcell, Eugene George, Jr.
A.B., Duke University, 1942.
- Ray, Milton Undrel
A.B., West Virginia Wesleyan College, 1942.
- Ridenhour, Henry Isley
A.B., High Point College, 1942.
- Sales, Reames Hawthorne
A.B., Hendrix College, 1942.
- Smith, Otis Dewey
A.B., High Point College, 1942.
- Stevenson, Durwood Everette B.
A.B., Texas Wesleyan College, 1942.
- Tucker, Roger Wilkins
A.B., High Point College, 1943.
- Turner, Archer Rudder
A.B., Lynchburg College, 1942.
- Wallace, Aldred Pruden
A.B., Fairmont State Teachers College, 1942.
- Waugh, Ray Paschal
A.B., Lenoir-Rhyne College, 1942.
- Williams, Harley Morrison
A.B., High Point College, 1942.
- Roanoke, Va.
- Concord, N. C.
- Tobaccoville, N. C.
- Pittsburgh, Pa.
- El Paso, Tex.
- Tallassee, Ala.
- Mobile, Ala.
- Kansas City, Mo.
- Lynchburg, Va.
- Mocksville, N. C.
- Vidette, Ga.
- Central City, Ky.
- Durham, N. C.
- Paintsville, Ky.
- Varnville, S. C.
- Erwin, N. C.
- Cambridge, Md.
- Cooleemee, N. C.
- Forrest City, Ark.
- Valdese, N. C.
- Fort Worth, Tex.
- Madison, N. C.
- Lynchburg, Va.
- Hopewell, Va.
- Hiddenite, N. C.
- Asheville, N.C.

THE SCHOOL OF LAW

FIRST YEAR

- Bronson, John William
B.S., A.B., Bowling Green State University, 1942.
- Gibsonburg, O.

- | | | |
|------------------------------|---|---------------------|
| Carles, Amando | Escuela Normal de Penonome, 1927-28; Instituto Nacional de Panama, 1928-30. | Penonome, Panamá |
| Collings, Hazel Cover | B.S., The University of Georgia, 1942. | Clemson, S. C. |
| Dalton, Craig Gates | Duke University, 1940-42. | Toledo, O. |
| Fludine, Foster Joseph | Western Reserve University, 1940-41; Kent State University, 1941-42. | Kent, O. |
| Greene, James Harrison | Duke University, 1940-42. | Syracuse, N. Y. |
| Grossenheider, Joseph Warren | Duke University, 1940-42. | Webster Groves, Mo. |
| Hawkins, Jackson DeWeese | Duke University, 1940-42. | Braintree, Mass. |
| Primm, Arthur Weeks | Duke University, 1940-42. | Miami, Fla. |
| Rich, Elwood Merrell | Duke University, 1939-42. | Williamsport, Pa. |
| Speziale, John Albert | Duke University, 1940-43. | Torrington, Conn. |
| Taub, Melvin Sanford | Randolph-Macon College, 1940-42. | Passaic, N. J. |
| Whitney, Robert Ellis | Randolph-Macon College, 1939-42. | Vestal, N. Y. |

SECOND YEAR

- | | | |
|-----------------------------|--|----------------------|
| Baker, Richard Herschel | Duke University, 1940-42. | Inverness, Miss. |
| Browder, Bannister Randolph | Duke University, 1939-42. | Winston-Salem, N. C. |
| Brown, Richard Arnold | Duke University, 1939-42. | Aurora, Ill. |
| Camillo, Jack June | Georgetown University, 1939-42. | Westfield, N. J. |
| Dodd, Rufus Burton | Duke University, 1940-42. | Zanesville, O. |
| Gardner, R. Menese | A.B., Duke University, 1942. | Lock Haven, Pa. |
| Harrison, Fenton Frank | Duke University, 1939-42. | Buffalo, N. Y. |
| Hickman, Marcus Tobias | Duke University, 1939-42. | Hudson, N. C. |
| Kelly, William Peter | Duke University, 1940-42. | Hastings, Pa. |
| Lovett, Linton Robeson | Emory and Henry College, 1939-42. | Elon College, N. C. |
| McKinnon, Henry A., Jr. | Duke University, 1939-42. | Lumberton, N. C. |
| Stein, Neil Nelson | A.B., Capital University, 1942. | Dayton, O. |
| Vanderpool, William S., Jr. | Duke University, 1939-40; University of Oklahoma, 1940-41; Duke University, 1941-42. | Hollis, Okla. |
| Womble, Calder Willingham | Duke University, 1939-42. | Winston-Salem, N. C. |

THIRD YEAR

- | | | |
|-------------------|--------------------------------|-------------------|
| Bloom, Jack LeRoy | A.B., Furman University, 1941. | Greenville, S. C. |
|-------------------|--------------------------------|-------------------|

Canavan, Charles Paul	West Springfield, Mass.
B.A., American International College, 1940.	
Esgain, Albert James	Bremen, O.
B.S., Ohio State University, 1936; M.A., 1937.	
Greenwood, Porter Clifton	Lebanon, Va.
A.B., Duke University, 1939.	
Meyerson, Gerald Lee	Charleston, S. C.
The Citadel, 1938-40; Duke University, 1940-41.	
Parker, Jane Agnes	Smithfield, N. C.
A.B., The Woman's College of the University of North Carolina, 1941.	
Sellers, Frank Edwin	Norfolk, Va.
A.B., Duke University, 1942.	
Whitmire, Lee Elmer, Jr.	Ellwood City, Pa.
A.B., Geneva College, 1941.	

GRADUATE STUDENT

Walter, David Oswell	Durham, N. C.
A.B., Williams College, 1931; A.M., Harvard University, 1933; Ph.D., 1937;	
J.D., University of Illinois, 1941.	

THE SCHOOL OF MEDICINE

FIRST YEAR

<i>Name and Preparation</i>	<i>Home Address</i>
Bryon Michel Bloor	Moscow, Idaho
<i>University of Idaho;</i>	
<i>University of Washington;</i>	
<i>University of Idaho.</i>	
Richard Edwin Boger	Charlotte, N. C.
<i>Duke University.</i>	
Jay Olsen Brinton.....	Salt Lake City, Utah
<i>Westminster Junior College;</i>	
<i>Eastern Kentucky State Teachers College;</i>	
<i>University of Idaho.</i>	
William Armstead Brooks, III.....	Dallas, Tex.
<i>Duke University.</i>	
Walter Jordan Brower.....	New York, N. Y.
<i>University of Alabama.</i>	
Carrel Mayo Caudill	Pearisburg, Va.
<i>Duke University.</i>	
Arthur Edward DeNio, Jr.....	Detroit, Mich.
<i>Duke University.</i>	
Elizabeth Jean Dubs.....	Durham, N. C.
<i>Duke University.</i>	
Adolphus William Dunn.....	Leaksville, N. C.
<i>Wake Forest College.</i>	
Ralph Gerald Eaker.....	Lawndale, N. C.
<i>Wofford College.</i>	
John Richard Emlet.....	Hanover, Pa.
<i>Dickenson College.</i>	
James Edward Farley, Jr.....	Durham, N. C.
<i>Duke University.</i>	
Charles Shirey Flynn.....	Bluefield, W. Va.
<i>Bluefield Junior College;</i>	
<i>Duke University.</i>	
Frederick Clare Hanson.....	Geneva, Ill.
<i>University of Illinois;</i>	
<i>University of Wisconsin.</i>	
Benedict Harrow	Pittsfield, Mass.
<i>Duke University.</i>	
Willis Holland Hodges, Jr.....	Columbus, Ohio
<i>Ohio State University.</i>	

<i>Name and Preparation</i>	<i>Home Address</i>
Bruce Charles Holman..... <i>Hamilton College;</i> <i>Duke University.</i>	Bainbridge, N. Y.
Earl Pendleton Holt, Jr..... <i>Oak Ridge Military Institute;</i> <i>Duke University.</i>	Oak Ridge, N. C.
Thomas Rufin Hood..... <i>Mars Hill Junior College;</i> <i>Duke University.</i>	Smithfield, N. C.
Louis Moffitt Howell..... <i>University of Florida.</i>	Jacksonville, Fla.
Beverly N. Jones, Jr..... <i>Virginia Polytechnic Institute.</i>	Winston-Salem, N. C.
Stanley Jay Kallman..... <i>University of North Carolina.</i>	New York, N. Y.
Seymour Robert Kaplan..... <i>Brooklyn College;</i> <i>Duke University.</i>	Brooklyn, N. Y.
Alfred Robert Kessler..... <i>Fordham University.</i>	Astoria, N. Y.
Victor Henry Knight, Jr. <i>Duke University.</i>	Tampa, Fla.
Emery Thomas Kraycirik..... <i>Franklin and Marshall Academy;</i> <i>Lenoir-Rhyne College.</i>	Windber, Pa.
Ullin Whitney Leavell, Jr..... <i>Vanderbilt University.</i>	Nashville, Tenn.
Charles William Lewis, Jr..... <i>Guilford College.</i>	Greensboro, N. C.
William Figgatt Lovell..... <i>Duke University.</i>	Raleigh, N. C.
James Dwight Lutz..... <i>Duke University.</i>	Shelby, N. C.
John Niel McClure, Jr..... <i>Duke University.</i>	Palmetto, Fla.
Hugh McCulloch, Jr..... <i>Washington and Lee University.</i>	St. Louis, Mo.
Frank Watt McCune..... <i>Duke University.</i>	McKeesport, Pa.
John P. McGovern..... <i>Duke University.</i>	Washington, D. C.
A. Ziegler McPherson..... <i>University of Oklahoma;</i> <i>University of Arkansas.</i>	Little Rock, Ark.
Robert Pickens Marshall..... <i>Duke University.</i>	Washington, D. C.
James Thompson Metzger..... <i>Loomis Institute;</i> <i>University of Pittsburgh.</i>	Pittsburgh, Pa.
Lowell Stephen Miller..... <i>Mars Hill College;</i> <i>Duke University.</i>	Asheville, N. C.
Oscar McLendon Mims..... <i>University of South Carolina.</i>	Florence, S. C.
Thomas Joseph Moore..... <i>Duke University.</i>	Bronxville, N. Y.
Herbert Leon Newbold, Jr..... <i>College of William and Mary;</i> <i>Duke University.</i>	Newport News, Va.
Benjamin Nixon..... <i>St. Mary's University;</i> <i>University of Texas.</i>	San Antonio, Tex.

<i>Name and Preparation</i>	<i>Home Address</i>
Richard Milton Paddison..... <i>Duke University.</i>	Savannah, Ga.
Benjamin Jackson Philips..... <i>Davidson College.</i>	Jacksonville, Fla.
Alfred Rowland Pittman, Jr..... <i>North Carolina State College; Wake Forest College.</i>	Lumberton, N. C.
Grover Duckett Poole..... <i>Duke University.</i>	Raleigh, N. C.
Robert Barclay Ragland..... <i>Virginia Military Institute; University of Colorado; University of Florida.</i>	Jacksonville, Fla.
Clarence Lee Ruffin..... <i>University of North Carolina.</i>	Tarboro, N. C.
Edwin Robert Ruskin..... <i>Duke University.</i>	New Rochelle, N. Y.
Robert McCurdy Russell..... <i>Duke University.</i>	Burgettstown, Pa.
Harold St. John..... <i>Northwestern University.</i>	Washington, D. C.
William Benjamin Schwartz, Jr..... <i>Duke University.</i>	Woodmere, N. Y.
Murray Bernard Sheldon, Jr..... <i>Duke University.</i>	Roselle Park, N. J.
Stephen David Smith..... <i>University of Georgia.</i>	Rome, Ga.
Thoburn Rudolph Snyder, Jr..... <i>Duke University.</i>	Mount Pleasant, Pa.
Edward John Stainbrook..... <i>Duke University; Catholic University; Allegheny College.</i>	Durham, N. C.
William Sinclair Stewart, IV..... <i>Duke University.</i>	Charlotte, N. C.
Wingate Elwood Swain..... <i>Wake Forest College.</i>	Shallotte, N. C.
Frederick Harvey Taylor..... <i>Guilford College.</i>	High Point, N. C.
Paul Claytor Thompson..... <i>Duke University.</i>	Reidsville, N. C.
Bennie Vatz..... <i>Eastern Carolina Teachers College; University of North Carolina.</i>	Kinston, N. C.
Carl Marvin Voyles, Jr..... <i>College of William and Mary.</i>	Williamsburg, Va.
William Thurman Watkins, Jr..... <i>Duke University.</i>	Newport News, Va.
William D. Weber..... <i>University of Pittsburgh; Duke University.</i>	Erie, Pa.
Samuel Gould Welborn..... <i>Davidson College.</i>	Lexington, N. C.
Hayes MacMurry White, Jr..... <i>Duke University.</i>	Raleigh, N. C.
Walter Barron Withers..... <i>University of North Carolina.</i>	Chapel Hill, N. C.
Robert Clifford Wulfman..... <i>Marshall College.</i>	Huntington, W. Va.

SECOND YEAR

<i>Name and Preparation</i>	<i>Home Address</i>
Robert James Atwell..... <i>Duke University.</i>	Chillicothe, Ohio
Horace Mitchell Baker, Jr..... <i>University of North Carolina.</i>	Lumberton, N. C.
Frank Louis Beckel..... <i>Duke University.</i>	Huntingdon, Pa.
Walter Russell Benson..... <i>Duke University.</i>	Tamaqua, Pa.
Charles Marvin Blackburn..... <i>University of Oklahoma.</i>	Ada, Okla.
Jack Holland Boatman..... <i>University of Oklahoma.</i>	Okmulgee, Okla.
Jacob Thompson Bradsher, Jr..... <i>Lees-McRae College;</i> <i>Maryville College.</i>	Milton, N. C.
Joseph Dondiego Brenna..... <i>Duke University.</i>	Trenton, N. J.
Banks Raleigh Cates, Jr..... <i>The Citadel;</i> <i>Davidson College;</i> <i>Duke University.</i>	Charlotte, N. C.
Robert George Chambers..... <i>Columbia University;</i> <i>New York University;</i> <i>Duke University.</i>	New York City, N. Y.
William Alan Chickering..... <i>Duke University.</i>	Chicago, Ill.
John Pope Collins..... <i>Duke University.</i>	Blackfoot, Idaho
Richard Grigsby Connar..... <i>Duke University.</i>	Rutherford, N. J.
Gerald Edwin Cronk..... <i>Tulsa University.</i>	Tulsa, Okla.
Robert Thomas Cronk..... <i>Tulsa University.</i>	Tulsa, Okla.
Martin Marc Cummings..... <i>Bucknell University.</i>	Glassboro, N. J.
Arthur Markham Dalton..... <i>Purdue University;</i> <i>Duke University.</i>	Toledo, Ohio
William Hersey Davis, Jr..... <i>Mars Hill College;</i> <i>University of Louisville;</i> <i>Duke University.</i>	Louisville, Ky.
William Townsend Davison..... <i>Yale University.</i>	Durham, N. C.
Carleton Cecil Douglass..... <i>University of Delaware.</i>	Newark, Del.
Henry Martin Dratz..... <i>Duke University.</i>	Lynbrook, N. Y.
Stuart Reiley Ducker, Jr..... <i>Yale University.</i>	Fort Myers Beach, Fla.
Howard Casey Duckett, Jr..... <i>Emory University;</i> <i>Duke University.</i>	Durham, N. C.
Ernest Goodall Edwards, Jr..... <i>Clemson College.</i>	Columbia, S. C.
William Preston Featherston..... <i>Duke University.</i>	Durham, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>
Bernard Frank Joseph Fetter..... <i>Johns Hopkins University.</i>	Baltimore, Md.
William Joseph Edward Fetter..... <i>Johns Hopkins University.</i>	Baltimore, Md.
George Francis Fordham..... <i>Georgetown University.</i>	Powellton, W. Va.
Truett Hollis Frazier..... <i>Mars Hill College; Duke University.</i>	Asheboro, N. C.
Thomas Calabria Frell..... <i>Ohio State University.</i>	Warren, Ohio
Anneva French..... <i>King College.</i>	Bristol, Va.
Wilton George Fritz..... <i>Duke University.</i>	Ridgewood, N. J.
Walter Gothard Gobbel, Jr..... <i>Duke University.</i>	Suffolk, Va.
William Wills Green, Jr..... <i>University of North Carolina.</i>	Tarboro, N. C.
Nannie Marguerite Hainje..... <i>Ward-Belmont College; Mount Holyoke College.</i>	Brewton, Ala.
James Lawrence Hansen..... <i>University of Utah.</i>	Salt Lake City, Utah
Francis Williams Hare, Jr..... <i>Birmingham-Southern College; University of Colorado.</i>	Monroeville, Ala.
Robert Pinckard Henderson..... <i>Kalamazoo College; Western State Teachers College.</i>	Kalamazoo, Mich.
George Manley Himadi..... <i>Duke University.</i>	Ridgewood, N. J.
Lester Jerome Honig..... <i>Harvard College.</i>	New York City, N. Y.
Claude Gibson Hooten, Jr..... <i>University of Richmond.</i>	Lynchburg, Va.
James Jackson Hutson..... <i>Duke University.</i>	Miami, Fla.
Charles Warren Irvin, Jr..... <i>Duke University; University of South Carolina.</i>	Columbia, S. C.
Karl Crawford Jonas..... <i>Davidson College.</i>	Marion, N. C.
Paxton Lane Jones..... <i>Youngstown College; Duke University.</i>	North Benton, Ohio
George Wallace Kernodle..... <i>Elon College.</i>	Elon College, N. C.
Robert Bruce Kubek..... <i>Duke University.</i>	Cleveland Heights, Ohio
John Fuller Lawson..... <i>Duke University.</i>	Erwin, Tenn.
George Welch Liles..... <i>Duke University.</i>	Charlotte, N. C.
Archibald Nock McIntosh..... <i>University of North Carolina.</i>	Old Fort, N. C.
William Wailes Magruder..... <i>Mississippi State College.</i>	Starkville, Miss.
Tom Lewis Martin..... <i>Washington and Lee University.</i>	Goldville, S. C.

<i>Name and Preparation</i>	<i>Home Address</i>
George Harold Massey..... <i>University of Florida.</i>	Quincy, Fla.
Walter Sidney Matthews, Jr..... <i>Duke University.</i>	Danville, Va.
William Clayton Morgan..... <i>Catawba College.</i>	Salisbury, N. C.
William Gray Murray..... <i>University of North Carolina.</i>	Greensboro, N. C.
Leonard Palumbo..... <i>Duke University.</i>	East Orange, N. J.
Rex Beach Perkins..... <i>Duke University.</i>	New Egypt, N. J.
George Edward Prince..... <i>Duke University.</i>	Dunn, N. C.
Richard Grover Renner..... <i>Miami University.</i>	Dayton, Ohio
Henry Lamar Roberts..... <i>Emory University;</i> <i>University of Texas;</i> <i>University of Chicago.</i>	Macon, Ga.
David Bernard Rulon..... <i>Duke University.</i>	Phoenixville, Pa.
James Matthew San..... <i>Duke University;</i> <i>Virginia Polytechnic Institute.</i>	St. Petersburg, Fla.
Frederick Kenneth Schmidt..... <i>University of North Carolina.</i>	Plainfield, N. J.
Richard Paul Sexton..... <i>Dartmouth College.</i>	Winchester, Mass.
Bertram Fairley Townsend..... <i>Duke University.</i>	Nutley, N. J.
Joseph Warren West..... <i>St. Petersburg Junior College;</i> <i>Duke University.</i>	St. Petersburg, Fla.
Robert Jackson Wetmore..... <i>Duke University.</i>	Durham, N. C.
Beverley Holland White..... <i>Emory University.</i>	St. Petersburg, Fla.
William Carl Whitesides, Jr..... <i>University of South Carolina;</i> <i>Duke University.</i>	York, S. C.
William Merrill Corry Wilhoit..... <i>University of Florida.</i>	Quincy, Fla.
John Archibald Yarborough..... <i>Duke University.</i>	Cary, N. C.

JUNIOR-SENIOR YEAR

Fred Houdlett Albee, Jr. (12/22/43)..... <i>Duke University.</i>	New York City, N. Y.
Albert Jerviss Alter (12/22/43)..... <i>Yale University.</i>	Toledo, Ohio
Robert Lester Baeder (12/22/43)..... <i>Duke University.</i>	Nutley, N. J.
Ralph Parr Baker (6/16/43)..... <i>Washington and Lee University.</i>	Newberry, S. C.
Albert Lawrence Banks (12/22/43)..... <i>Duke University.</i>	Somerville, N. J.
Donald Gibson Bard, Jr. (3/24/43)..... <i>Duke University.</i>	Pleasantville, N. Y.

<i>Name and Preparation</i>	<i>Home Address</i>
John Lee Barrett (12/19/42) <i>Duke University;</i> <i>University of Michigan.</i>	Grosse Pointe, Mich.
Stephen Russell Bartlett, Jr. (3/24/43) <i>Trinity College (Hartford, Conn.).</i>	Hingham, Mass.
Arthur Jay Bassell (12/22/43) <i>University of Virginia.</i>	New York City, N. Y.
Charles Leonard Benson (3/24/43) <i>Muhlenberg College;</i> <i>Duke University.</i>	Tamaqua, Pa.
Gustave Francis Bieber (3/24/43) <i>Rutgers University.</i>	South River, N. J.
Frank Cutchin Bone (12/22/43) <i>Duke University.</i>	Rocky Mount, N. C.
Orin Watts Booth (12/22/43) <i>University of North Carolina;</i> <i>University of North Carolina Medical School, 1940-1942.</i>	Durham, N. C.
George Orion Boucher (12/19/42) <i>University of California.</i>	Moberly, Mo.
Clyde Owens Brindley (3/24/43) <i>University of Texas.</i>	Temple, Tex.
Robert Alexander Broome, Jr. (12/22/43) <i>Duke University.</i>	Rocky Mount, N. C.
Norris Mervin Burleson (3/24/43) <i>Duke University.</i>	Port Allegany, Pa.
John Sinclair Campbell (3/24/43) <i>University of Michigan.</i>	Manistee, Mich.
Robert Monroe Campbell (12/19/42) <i>Central College.</i>	Neosho, Mo.
John Edward Cann (12/22/43) <i>Duke University.</i>	Greensboro, N. C.
Jesse Whilden Carll, IV (12/22/43) <i>Duke University.</i>	Bridgeton, N. J.
Leffie Mahon Carlton, Jr. (12/19/42) <i>John B. Stetson University;</i> <i>Duke University.</i>	Wauchula, Fla.
Kenneth Grantland Christian (12/22/43) <i>Berea College;</i> <i>University of Alabama School of Medicine, 1940-1942.</i>	Cullman, Ala.
Lee Marion Cole, Jr. (12/22/43) <i>Virginia Polytechnic Institute.</i>	Christiansburg, Va.
George Judson Cooper, Jr. (12/19/42) <i>Albion College;</i> <i>Stanford University;</i> <i>Wayne University.</i>	Detroit, Mich.
John Thomas Crowe, III (12/22/43) <i>Central College.</i>	Peverly, Mo.
George Gordon Culbreth (12/22/43) <i>Duke University.</i>	New Bern, N. C.
Robert Whitney Curry (12/22/43) <i>Duke University.</i>	Bradenton, Fla.
James William Dickey, Jr. (12/22/43) <i>Georgia School of Technology;</i> <i>University of Michigan;</i> <i>Duke University.</i>	Fort Lauderdale, Fla.
Charles Kendall Donegan (12/22/43) <i>St. Petersburg Junior College;</i> <i>Duke University.</i>	Largo, Fla.
William McCoy Eagles (12/22/43) <i>Duke University.</i>	Fountain, N. C.
Elmer William Erickson (12/22/43) <i>Duke University.</i>	Irwin, Pa.

<i>Name and Preparation</i>	<i>Home Address</i>
Michael James Feeney (12/22/43)..... <i>Billings Polytechnic Institute; University of North Dakota, Liberal Arts College; University of North Dakota, Medical School, 1940-1942.</i>	Kirley, S. D.
Marvin McCall Gibson (12/22/43)..... <i>University of Georgia; Duke University.</i>	Douglas, Ga.
John Capers Glenn, Jr. (12/22/43)..... <i>Junior College of Kansas City, Mo.; Central College.</i>	Raleigh, N. C.
Nathaniel Banks Glover (12/22/43)..... <i>The Citadel.</i>	Newnan, Ga.
Lawrence Elliott Gordon, Jr. (12/22/43)..... <i>Emory and Henry College; University of Virginia.</i>	Marion, Va.
Emil Joseph Graham (12/22/43)..... <i>Brevard College; University of North Carolina; Duke University.</i>	Naranja, Fla.
Alfred Edward Gras (12/22/43)..... <i>Harvard College.</i>	Cambridge, Mass.
Lucy Jane Gregory (3/24/43)..... <i>Sweet Briar College.</i>	Rocky Mount, N. C.
Matthew Hill Grimmett (3/24/43)..... <i>Vanderbilt University.</i>	McMinnville, Tenn.
Walter Gordon Hackett (3/24/43)..... <i>Vanderbilt University.</i>	Rome, Ga.
Beatrice Laura Hart (12/19/42)..... <i>Swarthmore College; University of Edinburgh.</i>	Durham, N. C.
Harold E. Harvey (3/24/43)..... <i>Duke University.</i>	Sprague, W. Va.
Watkins Proctor Harvey (3/24/43)..... <i>Lynchburg College.</i>	Lynchburg, Va.
Harold Houston Hawfield (12/22/43)..... <i>Duke University.</i>	Concord, N. C.
Thomas Roy Hazelrigg (12/22/43)..... <i>Montana University.</i>	Missoula, Mont.
Eleanor Jane Herring (12/19/42)..... <i>Greensboro College; Guilford College.</i>	Roseboro, N. C.
Wilks Otho Hiatt, Jr. (12/22/43)..... <i>Duke University; University of Virginia.</i>	Savannah, Ga.
William Samuel Hooten (3/24/43)..... <i>Lynchburg College.</i>	Lynchburg, Va.
Eugene Leroy Horger, Jr. (12/22/43)..... <i>Duke University.</i>	Columbia, S. C.
Henry Lee Howard (3/24/43)..... <i>Duke University; University of South Carolina.</i>	Savannah, Ga.
John Howard (3/24/43)..... <i>Duke University.</i>	Savannah, Ga.
Carter Wyckoff Howell (3/24/43)..... <i>Harvard University; Knox College.</i>	Grinnell, Iowa
James Mayhew Ingram, Jr. (12/22/43)..... <i>University of Tampa; Duke University.</i>	Tampa, Fla.
Martin Evans Jones, Jr. (12/22/43)..... <i>Duke University.</i>	Granite Falls, N. C.
Roy Mason Kash (12/19/42)..... <i>Sterling College.</i>	Omer, Ky.

<i>Name and Preparation</i>	<i>Home Address</i>
Anthony Vanderbilt Keese (12/19/42)..... <i>Stanford University.</i>	Pasadena, Calif.
Andrew Anthony Kerhulas (12/19/42)..... <i>Wofford College.</i>	Union, S. C.
Samuel Rea Kilgore (3/24/43)..... <i>The Citadel.</i>	Woodruff, S. C.
Herbert Arthur King (12/19/42)..... <i>University of Richmond.</i>	Peabody, Mass.
John Albert Kneipp (3/24/43)..... <i>Duke University.</i>	Washington, D. C.
Lemuel Weyher Kornegay, Jr. (3/24/43)..... <i>Davidson College.</i>	Rocky Mount, N. C.
William Edward Leeper, Jr. (12/22/43)..... <i>Duke University.</i>	Gastonia, N. C.
Edward David Levy (12/19/42)..... <i>Harvard College;</i> <i>Duke University.</i>	West Hartford, Conn.
Laurence Atkinson Liversedge (12/22/43) <i>University of Manchester.</i>	Bromley Cross, Bolton, Lancashire, Eng.
David Jay McCulloch (12/19/42)..... <i>Ohio State University.</i>	East Liverpool, Ohio
Francis H. McCullough, Jr. (12/22/43)..... <i>Columbia College.</i>	New York City, N. Y.
Paul Robinson Massengill (12/19/42)..... <i>Duke University;</i> <i>North Carolina State College.</i>	Raleigh, N. C.
Hugh Archie Matthews (12/22/43)..... <i>Campbell Junior College;</i> <i>Wake Forest College;</i> <i>University of North Carolina;</i> <i>Yale University.</i>	Canton, N. C.
Richard Hoyt Mayne (12/22/43)..... <i>University of Arizona.</i>	Miami, Ariz.
James Donaldson Moody (12/22/43)..... <i>Duke University.</i>	East Brady, Pa.
Horace Lee Morgan (12/22/43)..... <i>Duke University;</i> <i>University of South Carolina.</i>	Savannah, Ga.
Arthur Allen Morris, Jr. (12/22/43)..... <i>Duke University.</i>	Winston-Salem, N. C.
William Henry Muller, Jr. (12/22/43)..... <i>The Citadel.</i>	Dillon, S. C.
Harry Stoll Mustard, Jr. (3/24/43)..... <i>Johns Hopkins University;</i> <i>University of South Carolina.</i>	Boykin, S. C.
Jack Harrell Neese (12/19/42)..... <i>Elon College.</i>	Reidsville, N. C.
William Irvin Neikirk (3/24/43)..... <i>Duke University.</i>	Hagerstown, Md.
Arthur Francis O'Keeffe (3/24/43)..... <i>Johns Hopkins University.</i>	Milton, Mass.
Keith Millner Oliver (12/22/43)..... <i>Virginia Polytechnic Institute.</i>	Lynnhaven, Va.
John Frederick Ott (3/24/43)..... <i>University of Cincinnati.</i>	Cincinnati, Ohio
John Dickinson Peck, Jr. (12/19/42)..... <i>Virginia Polytechnic Institute.</i>	Summersville, W. Va.
Clarence Eugene Peery (12/22/43)..... <i>Emory and Henry College.</i>	Sprigg, W. Va.
Maxine Roberta Perdue (12/22/43)..... <i>Duke University.</i>	Canton, Ohio

<i>Name and Preparation</i>	<i>Home Address</i>
William Anthony Peters, Jr. (12/19/42)..... <i>Duke University.</i>	Elizabeth City, N. C.
Robert Lyons Picken (3/24/43)..... <i>Washington State College.</i>	Tonasket, Wash.
Victor Anthony Politano (12/22/43)..... <i>Marshall College.</i>	Point Marion, Pa.
Desmond Anthony Pond (12/22/43)..... <i>Cambridge University.</i>	Hatch End, Middlesex, Eng.
Frank Earl Poole (3/24/43)..... <i>West Virginia University.</i>	Clay, W. Va.
Raymond Crawford Ramage (12/22/43)..... <i>University of Florida.</i>	Jacksonville, Fla.
John Garnett Ramsbottom (12/22/43)..... <i>Wofford College.</i>	Spartanburg, S. C.
George Rankine (12/22/43)..... <i>St. Andrews University.</i>	Dundee, Scotland
Norman Wesley Rausch (3/24/43)..... <i>Western Maryland College;</i> <i>Duke University.</i>	Maplewood, N. J.
Bernard Leonidas Rhodes, Jr. (12/22/43)..... <i>Marion Military Institute;</i> <i>Duke University.</i>	Live Oak, Fla.
Millard McAdoo Riggs (12/22/43)..... <i>Marshall College.</i>	Huntington, W. Va.
John Andrews Ritchie (3/24/43)..... <i>Hampden-Sydney College;</i> <i>University of Virginia.</i>	Hardware, Va.
Benjamin Franklin Roach (3/24/43)..... <i>Duke University.</i>	Midway, Ky.
Don Winfrey Robinson (12/22/43)..... <i>American Institute of Banking;</i> <i>University of Southern California;</i> <i>Central College;</i> <i>University of Missouri.</i>	Long Beach, Calif.
Stanfield Rogers (12/22/43)..... <i>Duke University.</i>	Dyersburg, Tenn.
Otho Bescent Ross, Jr. (12/22/43)..... <i>University of North Carolina.</i>	Charlotte, N. C.
Robert Franklin Ruff (3/24/43)..... <i>Pennsylvania State College.</i>	Jeannette, Pa.
Richard Allan Ruskin (12/22/43)..... <i>Duke University.</i>	New Rochelle, N. Y.
Robert Emmett Seibels, Jr. (12/22/43)..... <i>University of the South.</i>	Columbia, S. C.
John Greateon Sellers (3/24/43)..... <i>College of William and Mary;</i> <i>Duke University.</i>	Norfolk, Va.
Richard Hopkins Sinden (12/19/42)..... <i>University of Florida.</i>	Dunedin, Fla.
William Vance Singletary (12/22/43)..... <i>University of North Carolina.</i>	Greensboro, N. C.
George Washington Freeman Singleton (12/22/43)..... <i>The Citadel;</i> <i>Duke University.</i>	Selma, Ala.
Milton Crego Smith (12/22/43)..... <i>University of Michigan.</i>	Ann Arbor, Mich.
Walter Spaeth, Jr. (3/24/43)..... <i>Duke University.</i>	Southern Pines, N. C.
Harry Francis Steelman (12/22/43)..... <i>Lenoir-Rhyne College.</i>	Hickory, N. C.

<i>Name and Preparation</i>	<i>Home Address</i>
Harlan Aljean Stiles (12/19/42)..... <i>Marshall College.</i>	Huntington, W. Va.
Archie Reid Sutherland (9/19/42)..... <i>Duke University;</i> <i>Emory and Henry College.</i>	Sparta, Ill.
Eric Donald Thompson (3/24/43)..... <i>Duke University;</i> <i>Harvard College.</i>	Montclair, N. J.
Kearns Reid Thompson, Jr. (12/19/42)..... <i>Duke University.</i>	Reidsville, N. C.
George Edward Thurman (12/22/43)..... <i>Princeton University.</i>	Charlotte, N. C.
Thomas Carter Van Arsdall (3/24/43)..... <i>University of Michigan.</i>	Harrodsburg, Ky.
Robert James Vanderlinde (12/19/42)..... <i>Duke University.</i>	Rochester, N. Y.
Walter Brown Watson (12/22/43)..... <i>Duke University.</i>	Belleville, N. J.
Garland Odell Wellman (12/19/42)..... <i>Marshall College.</i>	Kenova, W. Va.
Donald Palmer White, Jr. (12/22/43)..... <i>St. Lawrence University;</i> <i>University of Alabama.</i>	Potsdam, N. Y.
William Harrison Williams, Jr. (3/24/43)..... <i>Wake Forest College.</i>	Charlotte, N. C.
John McLean Wilson (3/24/43)..... <i>The Citadel.</i>	Darlington, S. C.
Margaret Wilson (12/22/43)..... <i>Salem College.</i>	Raleigh, N. C.
Robert Walker Withers, IV (12/22/43)..... <i>University of Florida.</i>	Tampa, Fla.
Marshall Wayne Woodard (3/24/43)..... <i>Mars Hill College;</i> <i>Duke University.</i>	Asheville, N. C.
Cabell Young, Jr. (3/24/43)..... <i>North Carolina State College;</i> <i>Duke University.</i>	Charlotte, N. C.

THE SCHOOL OF NURSING

SENIOR

Adams, Katie	Greene, Dorothy
Ayers, Mary Elizabeth	Greenlee, Helen
Bain, Barbara	Harrison, Ethel F.
Barickman, Martha	Hartley, Jean
Beaton, Frances	Keesee, Ellen
Bowles, Josephine	Lewis, Janice
Boykin, Elizabeth	Lyon, Frances
Carter, Myrtle	Meeks, Marion
Coggins, La Una	Melton, Iris
Covington, Mildred	Miller, Frances
Craddock, Alice	Newman, Ruby
Cutlip, Eleanor Lee	Parker, Mary Virginia
Decker, Kathryn	Peppler, Dorothy
Farquhar, Mary	Pipkin, Celia Zoe
Farrar, Mary Frances	Quattlebaum, Louise
Fox, Irene C.	Reinhardt, Elizabeth
Gambrell, Vivian E.	Rose, Ernestine
Green, Mary	Santos, Elvin

Sewell, Genevieve
 Smith, Jean Preston
 Wall, Jessie M.
 Wells, Lela P.
 White, Mary Jane

Whiteside, Kathleen
 Wright, Marybelle
 Wright, Ruby R.
 Young, Kathryn

JUNIOR

Adams, Elizabeth H.
 Allen, Mary Grayson
 Arnold, Cora
 Baity, Martha
 Baldwin, Olive Douglas
 Barnes, Mary Frances
 Benbow, Marjorie Long
 Bennett, Anne
 Blythe, Charlotte
 Bowers, Elizabeth
 Churan, Dorothy
 Cobb, Mary Bernice
 Crawley, Hattie Mildred
 Crowder, Janice
 D'Amico, Frances Loucetta
 Daffin, Margaret Louise
 Doud, Jean
 Dull, Margie
 Edwards, Margaret Pearl
 Ezzell, Mary
 Farrior, Ethel
 Fleming, Jessamine
 Green, Patricia
 Gunter, Edith
 Halter, Gladys
 Harp, Dorothy L.
 Hildreth, Lucille
 Hinton, Anna Lee
 Hayes, Madaleine
 Horton, Virginia
 House, Martha E.

Kincaid, Mary Guinn
 King, Virginia B.
 Kresge, Caroline
 Lambeth, Evelyn
 Lewis, Mildred
 Light, Catherine M.
 Livingood, Mary Louise
 Lucas, Mary Josephine
 McCoy, Hazel
 McKenzie, Alma Margaret
 McMullen, Fay
 May, Barbara
 O'Briant, Mary Frances
 Osborne, Lucy
 Pimsner, Leontine I.
 Raby, Dorothy Emily
 Ramsey, Ruth Wean
 Richardson, Charlotte
 Roane, Cary
 Robinson, Alice M.
 Sawyer, Margaret J.
 Shearin, Mary Lina
 Slocumb, Ruth W.
 Smith, Betty Irene
 Smith, Mary Alice
 Smith, Ruth Lucille
 Taylor, Rebekah
 Tilley, Sophy Malone
 Voss, Jewel
 Warren, Mary H.
 White, Evelyn

FRESHMAN

Adams, Barbara Fay
 Bancroft, Mary Catherine
 Banks, Katherine M.
 Barbrey, Betty Jane
 Beckner, Eleanor
 Bennett, Virginia Rose
 Bond, Sarah Roberts
 Boring, Dorothy Louise
 Braswell, Ruth Davis
 Broadhurst, Jane
 Byrd, Frances Levenia
 Byrd, Mary Jane
 Calliero, Anabel
 Canady, Louise
 Caviness, Edith Ann
 Chalker, Mary C.
 Colley, Myrle
 Cothran, Jane

Covington, Martha Lee
 Davis, Martha Jane
 Davis, Pauline
 Davis, Ruth
 Davis, Virginia Helen
 Deale, Barbara Gordiner
 Dean, Jean Marie
 Denny, Janice
 Durner, Hazel Ruth
 Fisher, Mary Alice
 Freeman, M. Trudell
 Galloway, Suzayne
 Givin, Nelle Brown
 Gossett, Mary Frances
 Gray, Virginia
 Hanna, Mary Chapman
 Harlow, Gene Anne
 Hawes, Ruth Mae

Hege, Margaret Elizabeth
 Hester, Eulalia
 Hickman, Miriam Poe
 Jones, Mary Elizabeth
 Kaiser, Edith
 Kime, Selena
 Kirby, Mary Katherine
 Knowles, Lois Nina
 Lawrence, Elizabeth
 Laws, Cicily Anne
 Lean, Florence Evelyn
 McElroy, Barbara Anne
 McIntyre, Jean C.
 Mitchell, Paula Mozelle
 Morrow, Nancy Anne
 Mullen, Christine M.
 Nash, Doris
 Nix, Jean D.
 Parks, Lillian
 Reflogal, Jacquelyn
 Rhoad, Betty Claire
 Riddle, Betty Louise
 Robeson, Jeanne
 Robinette, Helen M.

Robinson, Mary Jean
 Roseborough, Margaret P.
 Rowland, Alice Bird
 Sawyer, Mary Harriet
 Smith, Adella May
 Smith, Annie Ruth
 Smith, Emily June
 Solomon, Hazel
 Stewart, Katherine
 Stiglitz, Adelaide
 Styron, Frances
 Taylor, Virginia Louise
 Tierney, Helen
 Vannah, Mary
 Vaughan, Louise
 Wahmann, Nancy
 Wainwright, Frieda Anne
 Warren, Joyce Elizabeth
 Watkins, Martha Elizabeth
 White, Betty Evelyn
 Willcox, Mary Moore
 Williams, Caroline
 Wylie, Ruth Laura
 Yoak, Betty Jo

THE SCHOOL OF FORESTRY

REGULAR STUDENTS

Deckert, Russell Coulter B.S.F., University of Georgia, 1938.	Palmyra, Pa.
Haliburton, William B.S.F., University of New Brunswick, 1940.	Montreal, W. Que., Canada
Hostetter, Robert Dale B.S., Colorado State College, 1941.	Kansas City, Mo.
Matte, Lorenzo B.A., Université Laval, 1932; Bachelor of Surveying, Université Laval, 1939; Forestry Engineer, Université Laval, 1939.	Rimouski, Que., Canada
Robertson, James Campbell Hay B.S.F., University of Washington, 1927; M.S., University of California, 1933.	Fort Collins, Colo.
Rudolph, Victor John B.S., Utah State Agricultural College, 1941.	Little Falls, Minn.

STUDENTS OF FORESTRY ENROLLED IN TRINITY COLLEGE

Berry, Frederick Hamer	Staunton, Va.
Conrad, Joseph Locke, Jr.	Durham, N. C.
DeLong, Thomas Stover	Reading, Pa.
Evans, Robert Rush	Connellsville, Pa.
Goodwin, Otho Creasy, Jr.	Durham, N. C.
Smedberg, William Waldemar	Greensboro, N. C.
Troxell, Harry Emerson, Jr.	Northumberland, Pa.

STUDENTS OF FORESTRY IN THE GRADUATE SCHOOL OF ARTS AND SCIENCES

Barnes, George Hector B.S.F., University of Washington, 1924; M.S., University of California, 1929.	Logan, Utah
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- | | |
|---|-------------------------|
| Buell, Jesse Howard | Asheville, N. C. |
| B.S., Wesleyan University, 1922; | |
| M.F., Yale University, 1924. | |
| Harper, Verne Lester | Chevy Chase, Md. |
| B.S., University of California, 1926; | |
| M.F., Yale University, 1936. | |
| Kozlowski, Theodore Thomas | Buffalo, N. Y. |
| B.S., New York State College of Forestry, 1939; | |
| A.M., Duke University, 1941. | |
| Massey, Calvin LeRoy | Wheatridge, Colo. |
| B.S., Colorado State College, 1939; | |
| A.M., Duke University, 1940. | |
| Wellwood, Robert William | Victoria, B. C., Canada |
| B.A.Sc., University of British Columbia, 1935; | |
| M.F., Duke University, 1939. | |

SUMMARY

GOVERNMENT, ADMINISTRATION, AND INSTRUCTION

Governing Boards		51
Trustees of Duke University	36	
Trustees of Duke Endowment	15	
Officers of Administration		77
The University	5	
Trinity College, the Woman's College, the College of Engineering and the Schools	25	
Assistants in Administration	47	
Officers of Instruction		498*
Professors	105	
Associate Professors	57	
Assistant Professors	97	
Instructors	165	
Instructional Assistants	74**	
Staff of University Libraries		62
Total		687

STUDENTS

Trinity College		1,408
Seniors	258	
Juniors	325	
Sophomores	344	
Freshmen	470	
Special Students	11	
Woman's College		899
Seniors	168	
Juniors	180	
Sophomores	248	
Freshmen	268	
Special Students	35	
College of Engineering		364
The Graduate School of Arts and Sciences		737
(171 of these in regular academic year)		
The School of Law		36
First Year	13	

* Does not include visiting members of Summer Session Faculty.

** Does not include Graduate Assistants, Fellows, and Scholars, some of whom meet classes.

ROLL OF STUDENTS

403

Second Year	14	
Third Year	8	
Graduate	1	
The School of Medicine		343
First Year	68	
Second Year	72	
Junior-Senior Year	126	
Graduates (Interns and Residents)	77	
The School of Nursing		191
Technicians		28
The School of Dietetics		10
The Divinity School		133
Seniors	50	
Middle Year	39	
Juniors	44	
The School of Forestry		19
The Summer Session (less duplicates)		2,333
Graduates, First Term	562	
Graduates, Second Term	336	
Undergraduates, First Term	898	
Undergraduates, Second Term	665	
Summer Quarter, Schools of Medicine and Nursing	510	
Summer Semester, School of Law	36	
Special Research Students	68	
		6,501
Deduction for names appearing more than once		1,351
		5,150
Enrollment for 12 months' period		
Enrollment in academic year		3,602

GIFTS AND BEQUESTS

Duke University derives its principal support from endowment funds and from miscellaneous gifts and grants. Permanently invested capital funds enable the University to offer to students academic and professional training at a fraction of its actual cost. The effectiveness of the University is determined to a large extent by its financial resources.

Gifts and bequests devoted to the improvement of the work of the University will be received and administered by the trustees in accordance with the desires of the donor.

Gifts. Any kind of property, real or personal, may be the subject of a gift and only such form as is required to pass title is necessary. If the gift consists of real property, the title will be passed by deed; if it consists of cash or unregistered bonds, the gift is consummated by delivery of the property; or if stocks, by delivery of properly endorsed stock certificates. Unless restricted, the use of gifts is at the discretion of the Board of Trustees. Usually the proceeds, conservatively invested, are added to the permanent endowment of the University. The donor may, however, restrict the use of any gift and designate definitely the objects for which it shall be used. In such cases, the transfer of property would be accomplished by a letter or other document describing in detail the objects for which the proceeds of the gift are to be used and when accepted by the University the terms or conditions set out therein become binding upon it.

Bequests. Bequests may be made to the University by an appropriate clause inserted in a will or by codicil to a will already drawn. The following forms will serve as appropriate clauses for wills or codicils:

General

I give (devise; if real property) and bequeath to Duke University, a corporation existing under the laws of the State of North Carolina and located in the City and County of Durham, State of North Carolina, and its successors forever the sum of..... dollars (or otherwise describe the gift) for the general purposes and uses of the University at the discretion of the Board of Trustees.

Specific

I give (devise; if real property) and bequeath to Duke University, a corporation existing under the laws of the State of North Carolina and located in the City and County of Durham, State of North Carolina, or its successors forever, the sum of.....dollars (or otherwise describe gift) and direct that the income therefrom shall be used for the following purposes, viz. (here describe in detail the use desired).

Codicil

Having heretofore made my last Will and Testament dated....., and being of sound mind, I hereby make, publish, and declare the following codicil thereto; (here insert clause in same form as if it had been included in body of Will). Except as hereinbefore changed, I hereby ratify, confirm and republish my said last Will and Testament.

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